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Attorneys for Federal Defendants

#### UNITED STATES DISTRICT COURT

#### DISTRICT OF OREGON

NORTHWEST ENVIRONMENTAL ADVOCATES, a non-profit corporation,

Civ. No. 05-1876-HA

Plaintiff,

v.

UNITED STATES' NOTICE OF FILING FWS'S AMENDED ADMINISTRATIVE RECORD AND INDEX PURSUANT TO OCTOBER 21, 2009 ORDER

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, NATIONAL MARINE FISHERIES SERVICE, and UNITED STATES FISH AND WILDLIFE SERVICE,

Defendants.

UNITED STATES' NOTICE OF FILING FWS'S AMENDED ADMIN. RECORD AND INDEX PURSUANT TO OCT. 21, 2009 ORDER

Pursuant to the Court's October 21, 2009 Order (Docket No. 193), notice is provided to the Court and the parties that the United States is hereby filing the Certification of Amended Administrative Record for U.S. Fish and Wildlife Service ("FWS"), along with the index for the record. The certification and index are attached hereto as Attachment A.

Pursuant to Local Civil Rule 100.4(f), FWS's amended administrative record will not be filed using the Court's Electronic Case Filing system. Accordingly, notice also is provided that, on November 20, 2009, the United States is sending for filing with this Court a disc that contains FWS's amended administrative record. The United States also is sending a courtesy copy of the disc for Judge Haggerty's chambers. Copies of the disc also are being sent today to counsel identified on the Certificate of Service. <sup>2</sup>

Respectfully submitted,

IGNACIA S. MORENO Assistant Attorney General Environment & Natural Resources Division

/s/ Meredith L. Flax
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Attorneys for United States of America

Dated: November 20, 2009

For the convenience of the Court and the parties, the discs being sent today contain electronic copies of all of the documents contained in FWS's administrative record, including the documents that were added to the record pursuant to the Court's October 21, 2009 Order (Docket No. 193) and the documents that were contained in FWS's previous record filings.

### **CERTIFICATE OF SERVICE**

I hereby certify that on November 20, 2009, I caused a true copy of the foregoing UNITED STATES' NOTICE OF FILING FWS'S AMENDED ADMINISTRATIVE RECORD AND INDEX PURSUANT TO OCTOBER 21, 2009 ORDER (with attachment) to be served on each of the following counsel in the manner indicated below:

Daniel P. Mensher [] Via Hand Delivery PACIFIC ENVIRONMENTAL [] Via E-mail ADVOCACY CENTER [] Via First-Class mail, postage pre-paid 10015 S.W. Terwilliger Blvd. [] Via Overnight Mail [X] Court notice of electronic filing via Portland, OR 97219 dmensher@lclark.edu CM/ECF Allison LaPlante [] Via Hand Delivery PACIFIC ENVIRONMENTAL [] Via E-mail [] Via First-Class mail, postage pre-paid ADVOCACY CENTER [] Via Overnight Mail 10015 S.W. Terwilliger Blvd. [X] Court notice of electronic filing via Portland, OR 97219 laplante@lclark.edu CM/ECF [] Via Hand Delivery Karen Moynahan Oregon Department of Justice [] Via E-mail [] Via First-Class mail, postage pre-paid 1162 Court St., NE Salem, OR 97301-4096 [] Via Overnight Mail karen.moynahan@doj.state.or.us [X] Court notice of electronic filing via CM/ECF Laura Maffei, R.G. [] Via Hand Delivery [] Via E-mail Attorney at Law Schwabe Williamson & Wyatt [] Via First-Class mail, postage pre-paid 1211 SW 5<sup>th</sup> Ave., Suites 1600-1900 [] Via Overnight Mail Portland, OR 97204 [X] Court notice of electronic filing via Lmaffei@SCHWABE.com CM/ECF

> /s/ Meredith L. Flax MEREDITH L. FLAX

# ATTACHMENT A

KARIN J. IMMERGUT (OSB No. 96314) United States Attorney STEPHEN J. ODELL (OSB No. 90353) Assistant United States Attorney District of Oregon 1000 S.W. Third Avenue Portland, OR 97204-2902 (503) 727-1100 (tel) / (503) 727-1117 (fax)

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Attorneys for United States of America

UNITED STATES DISTRICT COURT DISTRICT OF OREGON

NORTHWEST ENVIRONMENTAL ADVOCATES, a non-profit corporation,

Plaintiff,

v.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, NATIONAL MARINE FISHERIES SERVICE, and UNITED STATES FISH AND WILDLIFE SERVICE,

Defendants.

Civ. No. 05-1876-HA

CERTIFICATION OF SECOND AMENDED ADMINISTRATIVE RECORD FOR THE U.S. FISH AND WILDLIFE SERVICE'S BIOLOGICAL OPINION

I, Elizabeth Materna, declare as follows:

I am employed as a fish and wildlife biologist for the U.S. Fish and Wildlife Service (FWS) in the Oregon Fish and Wildlife Office, located in Portland, Oregon.

My duties include assembling and maintaining the administrative record for the FWS's biological opinion on the Environmental Protection Agency's proposed approval of revised Oregon water quality standards for temperature, intergravel dissolved oxygen, and antidegradation, dated February 24, 2004.

In compliance with the Court's order dated October 21, 2009, the FWS has added to the administrative record four documents that it earlier withheld under a claim of privilege:

Numbers 61, 71, 73 and 85. The FWS has amended its administrative record accordingly, and the record filed herewith includes the documents listed in the original index filed with the Court in June, 2006, the supplemental documents filed in March, 2008, the 29 documents added in April, 2009, and the four documents listed above.

- I certify that the documents reproduced and indexed on the compact disk filed herewith comprise the complete administrative record for this biological opinion, as determined to the best of my ability.
- I make this declaration pursuant to 28 U.S.C. ' 1746. I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Executed on November <u>9</u>, 2009, at Portland, Oregon.

ELIZABETH MATERNA

			February 24, 2004
	Bate Stamp	Date of	
Hyperlink		Document	Description
	dministrative Red		
Biological	Opinion and Sup	porting Docum	
			Letter from Oregon Fish and Wildlife Office (OFWO) to Randall F. Smith, US
			Environmental Protection Agency (EPA) re: Biological opinion; EPA's proposed
	00004 00404	0/05/0004	approval of revised Oregon water quality standards for temperature, intergravel
<u>1</u>	00001-00101	2/25/2004	dissolved oxygen and antidegradation
			Fish and Wildlife Service (FWS) Biological Opinion (BO) for EPA's Proposed
	00400 00405	0/04/0004	Approval of Revised Oregon Water Quality Standards for Temperature,
<u>2</u>	00102-00195	2/24/2004	Intergravel Dissolved Oxygen, and Antidegradation
			Letter faxed from Michael T. Llewelyn, Oregon Department of Environmental
2	00106 00100	2/4/2004	Quality (ODEQ) to Randy Smith, EPA re: ODEQ Response to EPA Questions
<u>3</u>	00196-00199	2/4/2004	re the OR water quality temperature standards Oregon Department of Fish and Wildlife (ODFW) - Non-Anadromous Species
4	00200 00210	12/10/2002	Timing Unit tables
<u>4</u>	00200-00219	12/19/2003	ODEQ Water Pollution Division 41 Water Quality Standards: Beneficial uses,
<u>5</u>	00220-00311	11/10/2003	policies, and criteria for Oregon
<u> </u>	00220-00311	11/10/2003	ODEQ Beneficial Use Designations, Fish Uses: Table 190B, 250B, 121B, 101B,
<u>6</u>	00312-00317	Nov-03	and 140B
7	00318-00319	10/14/2003	Meeting Notes for October 14, 2003 Beneficial Use Group
<u> </u>	00010 00010	10/11/2000	Letter from FWS, OFWO to Emily Smith, ODEQ re: Comments on proposed
8	00320-00323	10/2/2003	revisions to ODEQ Division 41 Water Quality Standards
_			, , , , , , , , , , , , , , , , , , , ,
9	00324-00325	5/28/2003	Meeting Notes written by Elizabeth Materna, FWS, for Where and When Team
10	00326-00330	5/27/2003	ODFW Life stage Timing Criteria, Definitions, and Questions
<u>11</u>	00331-00335	5/9/2003	Draft Temperature Standard Options
			Letter from FWS to John Lani, EPA re: Comments on the final version of EPA
<u>12</u>	00336-00340	4/21/2003	Region 10 Guidance for State and Tribal Temperature Water Quality Standards
			Federal Register / Vol. 67, No. 230 / Friday, November 29, 2002 / Proposed
<u>13</u>	00341-00342	11/29/2002	Rules Bull Trout 71265
			Federal Register Department of Interior Fish and Wildlife Service 50 CFR Part
			17; Proposed Designation of Critical Habitat for the Klamath River and
4.4	00040 00057	44/00/0000	Columbia River District Population Segments of Bull Trout and Notice of
<u>14</u>	00343-00357	11/29/2002	Availability of the Draft Recovery Plan
15	00250 00271	0/10/2002	Myrick, C.A. 2002. Bull Trout Temperature Thresholds Peer Review Summary. Prepared for US Fish and Wildlife Service, Lacey, Washington
<u>15</u>	00358-00371	9/19/2002	Letter/BO from FWS OFWO to Randall F. Smith, EPA re: Oregon water quality
<u>16</u>	00372-00432	7/1/1999	standards ESA consultation
17	00433-00434	No Date	FWS Bull Trout Issue - General Background, Basin Specific Information
	30 100 00 10 1	110 2010	ODEQ Table 190B Beneficial use designations, Fish Uses, Malheur Lake
<u>18</u>	00435-00438	No Date	Basin, Oregon: FWS Lahontan Cutthroat Trout distribution maps
E-Mail Mes			
			Email from Rollie White, FWS, to Elizabeth Materna, FWS, re: Amount of take
<u>19</u>	00439-00439	2/23/2004	in the biological opinion, with one attachment
<u>20</u>	00440-00441	2/23/2004	Attachment: Edits to the BO on the Effect of Take
			Email from Jesse Delia, FWS, to Elizabeth Materna, FWS, re: Bull trout
<u>21</u>	00442-00442	2/20/2004	consulted-on effects, with one attachment
			Attachment: Consulted-on effects that have been analyzed through section 7
<u>22</u>	00443-00469	2/20/2004	consultation as reported in a biological opinion
			E II A MAIL EMO A EIL LAIMA EMO DOCCIONA
00	00470 00:	0/40/0004	Email from Anne Walker, FWS, to Elizabeth Materna, FWS, re: 2003 bull trout
<u>23</u>	00470-00470	2/19/2004	survey results above and below the Clear branch dam, with one attachment

	Data Ctarre	Detf	rebluary 24, 2004
	Bate Stamp	Date of	<b>5</b>
Hyperlink	Range	Document	Description
<u>24</u>	00471-00581	2/19/2004	Attachment: Mt Hood recovery unit chapter of the bull trout recovery plan
25	00500 00500	0/40/0004	Email from Cat Brown, FWS, to Elizabeth Materna, FWS, re: Oregon chub
<u>25</u>	00582-00582 00583-00584	2/19/2004 2/19/2004	consultation history, with one attachment
<u>26</u>	00003-00064	2/19/2004	Attachment: Previous biological opinions for Oregon Chub Email from Chris Allen, FWS, to Elizabeth Materna, FWS, re: Upper McKenzie
27	00585-00585	2/17/2004	Redd survey for fall 2003, with one attachment
<u>21</u>	00303-00303	2/11/2004	Attachment: Upper McKenzie Redd count Bull trout and Chinook, October 7,
28	00586-00587	2/17/2004	2003
<u> 20</u>	00300-00307	2/11/2004	Email from Chris Allen, FWS, to Elizabeth Materna, FWS, re: Annual report
			from ODFW, spawning survey data for bull trout Carmen Dam, with one
<u>29</u>	00588-00588	2/17/2004	attachment
<u>20</u>	00000 00000	2/11/2001	Attachment: Bull trout population monitoring in the McKenzie and Middle Fork
30	00589-00616	2/17/2004	Willamette Rivers, Annual Progress Report 2002
			Email from Chris Allen, FWS, to Elizabeth Materna, FWS, re: McKenzie bull
31	00617-00618	2/17/2004	trout Redd count 2003, with one attachment
32	00619-00619	2/17/2004	Attachment: Redd table from year 1989 to 2003
			Email from Kellie Kubena, EPA, to Marylou Soscia, EPA re: Bull trout spawning
33	00620-00620	2/10/2004	below dams
			Email from John Stephenson, FWS, to Bianca Streif, FWS, re: Bull trout fry
34	00621-00626	1/29/2004	emergence in the Umatilla and Walla Walla basins
			Email from Debra Sturdevant, ODEQ, to Elizabeth Materna, FWS, re: ODEQ
<u>35</u>	00627-00630	1/29/2004	temperature letter
			Email from Bianca Streif, FWS to Elizabeth Materna, FWS, re: Fry emergence
36	00631-00632	1/28/2004	in John Day, Malheur and Willamette
			Email from Bianca Streif, FWS to Elizabeth Materna, FWS, re: Fry emergence
37	00633-00634	1/27/2004	in Imnaha
			Email from Bianca Streif, FWS to Elizabeth Materna, FWS, re: Fry emergence
<u>38</u>	00635-00636	1/27/2004	in the Deschutes
			Email from Peter Lickwar, FWS, to Elizabeth Materna, FWS, re: Bull trout
<u>39</u>	00637-00638	1/27/2004	spawning, with one attachment
			Attachment: PGE's Draft Pelton Round Butte hydroelectric project supplemental
<u>40</u>	00639-00797	1/27/2004	biological evaluation, January 16, 2004
			Email from Debra Sturdevant, ODEQ, to Elizabeth Materna, FWS, re: Table of
			the spawning through emergence times for bull trout by basin and sub-basin,
<u>41</u>	00798-00798	1/27/2004	with one attachment
<u>42</u>	00799-00800	1/27/2004	Attachment: Bull trout life stage timing
			Email from Bianca Streif, FWS to Elizabeth Materna, FWS, re: Bull trout
<u>43</u>	00801-00801	1/14/2004	spawning
<u>44</u>	00802-00803	1/6/2004	Email from Doug Young, FWS, to Elizabeth Materna, FWS, re: Spawning dates
			Email from Carmen Thomas, FWS, Elizabeth Materna, FWS, re: Bull trout in
<u>45</u>	00804-00804	12/18/2003	Hells Canyon or Oxbow Reservoir
			Email from Dru Keenan, EPA, to Elizabeth Materna, FWS re: Draft conservation
<u>46</u>	00805-00806	12/17/2003	measures please review with two attachments
			Email from Dru Keenan, EPA to Elizabeth Materna, FWS re: Oregon
<u>47</u>	00807-00810	12/17/2003	clarification letter, attachment duplicate of first 12/17/03 email from EPA
			Email from Debra Sturdevant, ODEQ, to Elizabeth Materna, FWS, re: Error in
<u>48</u>	00811-00812	12/16/2003	rule
			Email from Debra Sturdevant, ODEQ, to Dru Keenan, EPA, Lahontan cutthroat
<u>49</u>	00813-00813	12/15/2003	trout habitat information
			Email from Chris Allen, FWS, to Elizabeth Materna, FWS, re: Modoc suckers
<u>50</u>	00814-00814	12/15/2003	only found in the Goose Lake Basin

	Bate Stamp	Date of	
Hyperlink	Range	Document	Description
Пуренни	Range	Document	Email from Chris Allen, FWS, to Elizabeth Materna, FWS, re: Bull trout status
<u>51</u>	00815-00815	12/11/2003	for the Willamette BO, with one attachment
<u>01</u>	00010 00010	12/11/2000	Tor the Trimanione Boy with one attachment
52	00816-00855	12/11/2003	Attachment: Willamette BO: bull trout status of the species and critical habitat
			Email from Rollie White, FWS, to Elizabeth Materna, FWS, re: conservation
53	00856-00857	12/10/2003	measures
			Email from Dru Keenan, EPA, to Elizabeth Materna, FWS re: Options for bull
<u>54</u>	00858-00859	11/20/2003	trout spawning below dams
<u>55</u>	00860-00860	11/20/2003	Attachment: Options for bull trout spawning below dams
			Email from Anne Walker, FWS, to Elizabeth Materna, FWS, re: Phone record
<u>56</u>	00861-00861	11/20/2003	for temperatures above and below the Laurance lake, with one attachment
			Attachment: Phone record with Mt. Hood National Forest, re: bull trout spawn
<u>57</u>	00862-00862	11/20/2003	below the dam (Laurance Lake)
			Email from Debra Sturdevant, ODEQ, to Elizabeth Materna, FWS, re:
<u>58</u>	00863-00863	11/20/2003	Powerpoint maps for Lahontan, with one attachment
<u>59</u>	00864-00867	11/20/2003	Attachment: Lahontan cutthroat trout, brown trout, Alvord and Borax chub maps
			Email from Anne Walker, FWS, to Elizabeth Materna, FWS, re: Mt Hood bull
<u>60</u>	00868-00868	11/18/2003	trout status in the revised draft recovery plan, with one attachment
<u>61</u>	00869-00875	11/18/2003	Attachment: Mt Hood bull trout status in the revised draft recovery plan
			Email from Debra Sturdevant, ODEQ, to Robert Anderson, NMFS, re: Revised
00	00070 00070	44/7/0000	draft of Findings of ODEQ's Technical Advisory Committee on Water Quality
<u>62</u>	00876-00876	11/7/2003	Criteria for Temperature, with one attachment  Attachment: A Summary of the Discussion and Findings of ODEQ's Technical
60	00077 00005	11/7/2002	· · · · · · · · · · · · · · · · · · ·
<u>63</u>	00877-00895	11/7/2003	Advisory Committee on Water Quality Criteria for Temperature  Email from Anne Walker, FWS, to Elizabeth Materna, FWS, re: Holy Heat
<u>64</u>	00896-00898	11/5/2003	Sump, concerns with winter temperatures below dams
<u>04</u>	00030-00030	11/3/2003	Email from Anne Walker, FWS to Elizabeth Materna, FWS re: Holy Heat Sump;
<u>65</u>	00899-00904	11/4/2003	temperature below Clear Branch Dam during the winter
<u> </u>	00000 00004	11/4/2000	Email from Elizabeth Materna, FWS to Dru Keenan, EPA re: Notes from 10/28
<u>66</u>	00905-00906	11/3/2003	meeting - key unresolved issues with one attachment
<u> </u>	00000 00000	1 17 67 2 0 0 0	Attachment: Draft meeting notes from where and when meeting October 28,
<u>67</u>	00907-00907	11/3/2003	2003
			Email from Debra Sturdevant, ODEQ to Jeff Lockwood re: Notes from 10/28
<u>68</u>	00908-00908	11/3/2003	meeting; key unresolved issues
			Email from Jeff Lockwood, NMFS to Debra Sturdevant, OSU re: Final notes
<u>69</u>	00909-00910	10/27/2003	from 10/14 where and when meeting, with one attachment
<u>70</u>	00911-00912	10/27/2003	Attachment: Meeting notes for October 14, 2003, beneficial use group
			Email from Tracy Harrison, ODEQ to Debra Sturdevant, ODEQ, re: Date ranges
			for the migration (BTHD-2) and potential migration (BTHD-4) in the Klamath,
<u>71</u>	00913-00915	10/22/2003	Powder and Malheur river basins, with two attachments
<u>72</u>	00916-00916	10/22/2003	Attachment 1: Malheur Bull trout map
<u>73</u>	00917-00917	10/22/2003	Attachment 2: Klamath Bull trout map
			Email from Debra Sturdevant, ODEQ, to Elizabeth Materna, FWS, re: Data from
<u>74</u>	00918-00918	10/16/2003	streams with bull trout, with three attachments
			Attachment 1: Summary temperature data for sections of Metolius and Minam
<u>75</u>	00919-00919	10/16/2003	Rivers; low risk bull trout streams
	00000	40/40/2222	Attachment 2: Summary temperature data for sections of Metolius and Minam
<u>76</u>	00920-00920	10/16/2003	Rivers; low risk bull trout streams
<u>77</u>	00921-00921	10/16/2003	Attachment 3: Summary temperature data for the McKenzie river

			replically 24, 2004
	Bate Stamp	Date of	
Hyperlink	Range	Document	Description
		40/45/0000	Email from Debra Sturdevant, ODEQ, to Elizabeth Materna, FWS, re: Rock
<u>78</u>	00922-00922	10/15/2003	creek data, with one attachment
70	00000 00004	40/45/2002	Attachment Currence terrences to real data for Dools Creek in the Bourder Doois
<u>79</u>	00923-00924	10/15/2003	Attachment: Summary temperature data for Rock Creek in the Powder Basin Email from Shelley Spalding, FWS Lacey, Washington, to Elizabeth Materna,
80	00925-00928	10/2/2003	FWS, re: Status of the revised Oregon temperature standards
<u>00</u>	00925-00920	10/2/2003	Wo, re. Status of the revised Oregon temperature standards
			Email from Elizabeth Materna, FWS, to Adrianne Allen, EPA, re: Bull trout
81	00929-00930	9/25/2003	spawning criteria issue from our draft bull trout recovery plan, October 2002
<u> </u>	00020 00000	0/20/2000	Email from Alan Mauer, FWS, to Elizabeth Materna, FWS, re: Bull trout
82	00931-00932	9/18/2003	question related to Oregon temperature criteria
			Email from John Bowerman, FWS, to Elizabeth Materna, FWS, re: Bull trout
83	00933-00933	9/18/2003	question related to Oregon temperature criteria
			Email from Carmen Thomas, FWS, Elizabeth Materna, FWS, re: Bull trout
<u>84</u>	00934-00934	9/17/2003	question related to Oregon temperature criteria
			Email from Elizabeth Materna, FWS to Dru Keenan, EPA re: Bull trout
<u>85</u>	00935-00935	9/10/2003	spawning times in the Pine River Basin
			Email from Debra Sturdevant, ODEQ, to Elizabeth Materna, FWS, re: Powder
<u>86</u>	00936-00938	8/12/2003	and Malheur summer max map changes
		_ , ,	Email from Elizabeth Materna, FWS, to Tracy Harrison, ODEQ, re: Powder and
<u>87</u>	00939-00939	8/11/2003	Malheur summer max map, with one attachment
	00040 00040	0/44/0000	Attachment: Critical period fish use designations Powder and Malheur basins,
<u>88</u>	00940-00940	8/11/2003	Oregon; draft 8/8/03 map
00	00044 00044	0/0/2002	Email from Tracy Harrison, ODEQ to Chris Mebane, NMFS, re: Klamath
<u>89</u>	00941-00941	8/8/2003	summer max map, with one attachment  Attachment: Critical period, fish use designations Klamath basin, Oregon, Draft
90	00942-00942	8/8/2003	8/8/03
<u>30</u>	00942-00942	0/0/2003	Email from Audrey Hatch, OSU to Elizabeth Materna, FWS, re: Pine creek
91	00943-00944	8/7/2003	basin, no timing information
		5,1,1=000	Email from Audrey Hatch, OSU to Elizabeth Materna, FWS, re: Pine Creek
92	00945-00945	8/6/2003	Basin, no timing information, with one attachment
93	00946-00946	8/6/2003	Attachment: ODFW Timing Table, Pine Creek non-anadromous species
			Email from Dru Keenan, EPA to Elizabeth Materna, FWS re: Timing of the bull
<u>94</u>	00947-00951	8/6/2003	trout spawning below reservoirs
			Email from John Palmer, EPA to Dru Keenan, EPA re: Final draft of
<u>95</u>	00952-00952	8/6/2003	where/when decision rules, with one attachment
			Attachment: Final draft of decision rules to designate pacific salmon and bull
<u>96</u>	00953-00954	8/6/2003	trout beneficial uses in Oregon
0.7	22255 22255	0/5/0000	Email from Alan Mauer, FWS, to Elizabeth Materna, FWS, re: Lahontan
<u>97</u>	00955-00955	8/5/2003	cutthroat trout temperatures
00	00056 00050	0/5/2002	Email from Alan Mauer, FWS, to Elizabeth Materna, FWS, re: Lahontan
<u>98</u>	00956-00956	8/5/2003	cutthroat trout contacts  Email from Debra Sturdevant, ODEQ, to Elizabeth Materna, FWS, re:
99	00957-00958	8/4/2003	Classification of the non-anadromous endangered species
<u>33</u>	00901-00900	U/ <del>1</del> /2003	Email from Jeff Lockwood, NMFS to Dru Keenan, EPA re: Meeting notes from
100	00959-00959	8/1/2003	conference call on 07/30/03, with one attachment
101	00960-00961	8/1/2003	Attachment: Notes from where and when conference call 07/30/03
		2, 2000	Email from Debra Sturdevant, OSU to Chris Mebane, NMFS re: Prime, sub-
102	00962-00964	7/31/2003	prime or cooler habitat
			Email from Dru Keenan, EPA to Elizabeth Materna, FWS re: Spawning rules II,
<u>103</u>	00965-00965	7/30/2003	with one attachment
<u>104</u>	00966-00967	7/30/2003	Attachment: Draft version 2 spawning rules

Hyporlink	Bate Stamp	Date of	Description
Hyperlink	Range	Document	Description  Email from Chris Mebane, NMFS to Tracy Harrison, ODEQ re: Please respond
105	00968-00969	7/29/2003	revised decision rules, with one attachment
<u>105</u> 106	00970-00971	7/29/2003	Attachment: Decision rule for mapping salmonid uses 7/28/03 revision
100	00970-00971	112912003	Email from Jennifer Weaver, ODEQ, to Bill Blosser, re: Last call on Division 41
107	00972-00972	7/28/2003	revisions, with one attachment
107	00912-00912	1/20/2003	Attachment: Draft #5 (July 28, 2003) ODEQ water pollution Division 41 water
<u>108</u>	00973-01060	7/28/2003	quality standards: beneficial uses, policies, and criteria for Oregon
100	00373-01000	1720/2000	Email from Cedric Cooney, OSU, to Bill Bogue, EPA, re: Response to questions
<u>109</u>	01061-01061	7/25/2003	from the July 15-16 where/when meeting, with one attachment
<u>100</u>	01001 01001	1720/2000	Attachment: Questions with answers from the EPA When/Where meeting on
<u>110</u>	01062-01066	7/25/2003	July 15th and 16th
110	01002 01000	1720/2000	Email from Debra Sturdevant, ODEQ to William Bogue, EPA, re: Bull trout
<u>111</u>	01067-01068	7/25/2003	proposal, ODEQ, ODFW, and FWS data overlay, with one attachment
	01001 01000	1720/2000	Attachment: Bull Trout Habitat Designation Technical Work Group
112	01069-01118	7/25/2003	Recommendations, Final July 2003
	0.000 00	172072000	Email from Debra Sturdevant, ODEQ to John Palmer, EPA re: New spawning
113	01119-01121	7/25/2003	proposal
		.,,_,_	
<u>114</u>	01122-01122	7/24/2003	Email from Emily Smith, ODEQ, to William Bogue, EPA, re: Bull trout issues
		.,,	Email from John Palmer, EPA to Chris Mebane, NMFS, re: New spawning
<u>115</u>	01123-01124	7/23/2003	proposal
		.,,_,,_,	Email from Emily Smith, ODEQ, to Elizabeth Materna, FWS, re: Bull trout
<u>116</u>	01125-01126	7/22/2003	critical habitat map changes
			Email from Debra Sturdevant, ODEQ to William Bogue, EPA re: Bull trout
<u>117</u>	01127-01129	7/22/2003	spawning mapping and assigning values to diversions with one attachment
			Attachment: Preliminary John Day basin summer maximum stream temperature
			criteria for protection of salmon and trout core rearing and migration and bull
<u>118</u>	01130-01130	7/22/2003	trout spawning map
			Email from John Bowerman, FWS, to Elizabeth Materna, FWS, re: Minor
<u>119</u>	01131-01131	7/15/2003	changes to bull trout critical habitat in the Klamath Basin
			Email from Carmen Thomas, FWS to Elizabeth Materna, FWS re: Revisions to
<u>120</u>	01132-01132	7/14/2003	the proposed critical habitat map for the recovery unit
			Email from Dru Keenan, EPA to Elizabeth Materna, FWS re: Decision rules
<u>121</u>	01133-01133	7/11/2003	justifications assumptions, with one attachment
<u>122</u>	01134-01135	7/11/2003	Attachment: Decision rule assumptions to date
			Email from Alan Mauer, FWS to Elizabeth Materna, FWS re: Revisions to the
<u>123</u>	01136-01136	7/10/2003	proposed critical habitat map for the recovery unit
			Email from Debra Sturdevant, ODEQ, to Elizabeth Materna, FWS, re:
<u>124</u>	01137-01138	7/7/2003	Temperature standard issues to resolve
<u>125</u>	01139-01141	7/7/2003	Attachment: Temperature standard issues
<u>126</u>	01142-01170	7/7/2003	Attachment: July 7 draft temperature rule language
			Email from Elizabeth Materna, FWS, to Carmen Thomas, FWS, re: Reservoirs
<u>127</u>	01171-01174	7/1/2003	in the Pine Creek Basin
			Email from Carmen Thomas, FWS to Elizabeth Materna, FWS re: Mehlhorn
<u>128</u>	01175-01178	7/1/2003	and Clear creek reservoirs
			Email from Debra Sturdevant, ODEQ, to John Palmer, EPA, re: Willamette
<u>129</u>	01179-01180	6/26/2003	basin 18/16 rule
			Email from Paul Bridges, FWS, to Elizabeth Materna, FWS, re: bull trout
<u>130</u>	01181-01182	6/23/2003	spawning below reservoirs
			Email from Anne Walker, FWS, to Elizabeth Materna, FWS, re: bull trout
<u>131</u>	01183-01184	6/19/2003	spawning below reservoirs

	Bate Stamp	Date of	
Hyperlink	Range	Document	Description
			Email from Chris Allen, FWS, to Elizabeth Materna, FWS, re: bull trout
<u>132</u>	01185-01186	6/18/2003	spawning below reservoirs
	dered but not Ci		
<u>133</u>	01187-01187	11/5/2003	ODEQ Draft Grande Ronde Spawning map, 11/05/2003 draft
<u>134</u>	01188-01188	11/5/2003	ODEQ Draft Grande Ronde Summer Max map, 11/05/2003 draft
<u>135</u>	01189-01189	11/5/2003	ODEQ Draft Klamath Summer Max map, 11/05/2003 draft
<u>136</u>	01190-01190	11/5/2003	ODEQ Draft Malheur Summer Max map, 11/05/2003 draft
			Chandler, J.A., M.A. Fedora, and T.R. Walters. 2001. Pre- and Post-Spawn Movements and Spawning Observations of Resident Bull Trout in the Pine
<u>137</u>	01191-01196	10/1/2003	Creek Watershed, Eastern Oregon. In Brewin, M.K., A.J. Paul, and M. Mond+E327a, eds. Bull Trout II Conference Proceedings 167-172.
<u>138</u>	01197-01214	7/7/2003	FWS draft bull trout maps with ODEQ overlay and written comments.
<u>139</u>	01215-01216	5/19/2003	Data Inventory of Salmonid Life Stage Distribution and Timing
<u>140</u>	01217-01312	Jan-03	ODEQ, Final Temperature Study in the John Day Basin for 2001
<u>141</u>	01313-01313	11/29/2002	Federal Register Notice, Vol. 67. No. 230, Proposed Rule bull trout critical habitat Unit 5-Hood River Basin map with written comments
			Summary Report: State conservation measure 7 year 2000 field study of
			anadromous salmonid spawning season water temperature regimes in the
			Imnaha river basin: series of summary temperature graphs for Weneha and
<u>142</u>	01314-01380	1/31/2001	Imnaha Rivers and Catherine Creek
			ODEQ Temperature Data - McKenzie River at Dearborn Is Rd bridge above
<u>143</u>	01381-01389	6/22/2001	South Fork McKenzie RM 60
<u>144</u>	01390-01391	6/22/2001	ODEQ Temperature Data - Horse Creek at bridge on Horse Cr Rd
<u>145</u>	01392-01394	6/2/2001	ODEQ Temperature Data - McKenzie River at Ranger Station
<u>146</u>	01395-01397	5/30/2001	ODEQ Temperature Data - McKenzie River above Trail bridge Reservoir
<u>147</u>	01398-01400	5/19/2001	ODEQ Temperature Data - RM 29.02 Metolius River u/s of Bridge 99
<u>148</u>	01401-01403	5/19/2001	ODEQ Temperature Data - RM38.27 Metolius River d/s of Tract C Bridge
149	01404-01406	5/9/2001	ODEQ Temperature Data - Metolius River North of Camp Sherman Bridge 99
<u>150</u>	01407-01410	5/9/2001	ODEQ Temperature Data - Metolius River notur of Camp Stierman Bridge 99 ODEQ Temperature Data - Metolius River u/s of mouth of Canyon Creek
151	01411-01413	5/9/2001	ODEQ Temperature Data - RM 38.34 Metolius River at Track C Bridge
131	01411-01413	3/9/2001	ODEQ Temperature Data - RM 35.34 Metolius River at Track C Bridge  ODEQ Temperature Data - RM 31.47 Metolius River at old water intake pipe
150	01414 01416	E/0/2004	
<u>152</u>	01414-01416	5/9/2001	near Wizard Falls Fish Hatchery
<u>153</u>	01417-01423	12/20/2000	ODEQ Temperature Data - South Fork McKenzie River Near Rainbow, OR
<u>154</u>	01424-01425	Sep-98	ODEQ Temperature Data - Powder River Basin, Rock Creek u/s of Camp Lee
<u>155</u>	01426-01427	7/9/1998	ODEQ Temperature Data - SF McKenzie River at Natl. Forest Rte. 19 Bridge
156	01428-01429	1998	ODEQ Temperature Data - Wenaha Subbasin- 1998
157	01430-01432	8/1/1996	ODEQ Temperature Data - Blue River at Blue River Drive
107	01100 01102	0/1/1000	ODEQ Temperature Data - McKenzie River at Hwy 126 btwn Koosah Falls and
<u>158</u>	01433-01435	8/1/1996	Clear Lake
<u>159</u>	01436-01438	No Date	ODEQ Temperature Data - RM 11.94 Metolius River u/s of Gauging Station
<u>160</u>	01439-01441	No Date	ODEQ Temperature Data - RM 35.45 Metolius River at Gorge Campground
<u>161</u>	01442-01444	No Date	ODEQ Temperature Data - RM 39.20 Metolius River d/s of headwater springs
<u>162</u>	01445-01445	No Date	Pacific Northwest Reservoir System
<u>163</u>	01446-01446	No Date	Map of Upper Klamath Basin
<u>164</u>	01447-01447	No Date	Changes needed to Draft Hood Recovery Unit and Critical Habitat map for finalization.

Llynorlink	Bate Stamp	Date of	Description
Hyperlink 165	<b>Range</b> 01448-01450	No Date	Description Information for Hood River Basin bull trout map
166	01451-01456	No Date	Comments of bull trout proposed critical habitat Hood River Basin
<u>100</u>	0110101100	140 Bato	FWS Tables - List of current local bull trout populations in the North, Middle,
167	01457-01459	No Date	and Upper John Day River sub watershed
168	01460-01461	No Date	FWS Table comparing 9 °C date with documented spawn times
Literature (		•	
169	01462-01477	7/1/1996	Batt, P.E., 1996. State of Idaho Bull Trout Conservation Plan. Office of the Governor, Boise, ID.
109	01402-01477	7/1/1990	Baxter, J.S. and J.D. McPhail. 1996. Bull trout spawning and rearing habitat
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170	01478-01509	1996	Vancouver.
			Baxter, J.S. and J.D. McPhail. 1999. The influence of redd site selection,
			groundwater upwelling, and over-winter incubation temperature on survival of
			bull trout (Salvelinus confluenrus) from egg to alevin. Canadian Journal of
<u>171</u>	01510-01516	1999	Zoology 77:1233-1239.
			Berman, C.H. 1990. Effect of elevated holding temperatures on adult spring
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<u>172</u>	01517-01618	12/5/1990	Seattle.
			Bjornn, T.C. 1977. Transport of Granitic Sediment in Streams and Its Effects on
<u>173</u>	01619-01669	Sep-77	Insects and Fish. Research Technical Completion Report. Project B-036-IDA.
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474	04070 04075	4007	trout, Salmon gairdneri, coexisting in a foothills stream in northern Alberta.
<u>174</u>	01670-01675	1987	Canadian Field- Naturalist 101(1): 56-62.
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			and the effects of human activity on the species. Pages 1-4 in Howell, P.J. and
			D.V. Buchanan, eds. Proceedings of the Gearhart Mountain bull trout
<u>175</u>	01676-01679	1992	workshop. Oregon Chapter of the American Fisheries Society, Corvallis, OR.
			Bonneau, J.L. and D.L. Scarnecchia. 1996. Distribution of juvenile bull trout in a
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<u>176</u>	01680-01682	1996	American Fisheries Society 125: 628-630.
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<u>177</u>	01683-01692	1997	bull Trout Conference Proceedings.
			Brown, L.G. 1992. On the zoogeography and life history of Washington native
			charr Dolly Varden (Salvelinus malma) and bull trout (Salvelinus confluentus).
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<u>178</u>	01693-01805	Mar-92	Olympia, Washington.
			Buchanan, D.V., and S.V. Gregory. 1997. Development of water temperature
			standards to protect and restore habitat for bull trout and other cold water
			species in Oregon. Pages 119-126 in Mackay, W.C., M.K. Brewin, and M.
			Monita, eds. Friends of the bull trout conference proceedings. Bull Trout Task
<u>179</u>	01806-01814	1997	Force (Alberta), do Trout Unlimited Canada, Calgary.
		2.2.	Buchanan, D.V., M.L. Hanson, and R.M. Hooton. 1997. Status of Oregon's bull
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<u>180</u>	01815-01999	Oct-97	status. Oregon Department of Fish and Wildlife.
<u>181</u>	02000-02010	Feb-03	Carnefix, G. 2003. Montana's fish species of special concern: bull trout.

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	Bate Stamp	Date of	
Hyperlink	Range	Document	Description
400	00044 00000	4070	Cavender, T. M. 1978. Taxonomy and distribution of the bull trout, Salvelinus
<u>182</u>	02011-02029	1978	confluentus (Suckley), from the American Northwest. California Fish and Game.
400		4070	Coutant, C.C. 1973. Effects of thermal shock on vulnerability of juvenile
<u>183</u>	02030-02038	1973	salmonids to predation. J. Fish. Res. Bd. Canada 30: 965-973.
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104	02020 02054	10/5/1004	Salvelinus species inferred from allozyme data. Canadian Journal of Fisheries
<u>184</u>	02039-02054	10/5/1994	and Aquatic Sciences 51:182-197.  Donald, D.B. and D.J. Alger. 1993. Geographic distribution, species
			displacement, and niche overlap for lake trout and bull trout in mountain lakes.
<u>185</u>	02055-02064	1993	Canadian Journal of Zoology 71: 238-247.
<u>165</u>	02055-02064	1993	Canadian Journal of 20010gy 71. 230-247.
			Dunham, J. 1999. Stream temperature criteria for Oregon's Lahontan cutthroat
			trout Oncorhynchus clarki henshawi - final report. Prepared for Oregon
186	02065-02109	4/30/1999	Department of Environmental Quality, Portland, OR. April 30, 1999.
100	32000 02100	1,00,1000	Soparation of Environmental Seasing, Fortialia, Ort. April 60, 1000.
			Flatter, B. 1998. Life history and population status of migratory bull trout
			(Salvelinus confluenrus) in Arrowrock Reservoir, Idaho. Prepared for U.S.
187	02110-02187	Jan-98	Bureau of Reclamation by Idaho Department of Fish and Game, Nampa, Idaho.
			Fraley, J.J., and B.B. Shepard. 1989. Life history, ecology and population status
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188	02188-02290	1989	System, Montana. Northwest Science 63(4): 133-143.
			Fulton, L.A. 1968. Spawning areas and abundance of Chinook salmon,
			Oncorhynchus tshawytscha, in the Columbia River basin — past and present.
<u>189</u>	02291-02325	1968	U.S. Fish and Wildlife Service, Special Scientific Report, Fisheries. 571:26.
<u>190</u>	02326-02344	1996	Gammett, B. 1996, Draft Part 2: Overview by Species.
			Gammett, B. 1999. The History and Status of Fisheries in the Little Lost River
			drainage, Idaho. Miscellaneous information contained in draft report. US Forest
<u>191</u>	02345-02652	May-99	Service.
<u>192</u>	02653-02657	8/16/1997	Gilpin, M. 1997. Connectivity on the Clark Fork: The bigger picture.
400	00050 00545	<b>-</b> 1 00	Goetz, F. 1989. Biology of the bull trout, Salvelinus confluentus, a literature
<u>193</u>	02658-02715	Feb-89	review. Willamette National Forest. Eugene, Oregon.
			Greene, P.M., N. Billington, and P.D.N. Hebert. 1990. Phylogenetic
404	00740 00700	4000	relationships among members of Salvelinus inferred from Mitochondrial DNA
<u>194</u>	02716-02723	1990	divergence. Can. J. Fish. Aquat. Sci. 47: 984-991.
			Haas, G.R., and J.D. McPhail. 1991. Systematics and distributions of Dolly
			Varden (Salvelinus malma) and bull trout (Salvelinus confluenrus) in North America.
			Can. J.
<u>195</u>	02724-02744	1991	Fish. Aquatic Sciences 48: 2191- 2211.
<u>190</u>	02124-02144	1881	
			Hoelscher, B. and T.C. Bjomn. 1989. Habitat, densities and potential production of trout and char in Pend Oreille Lake tributaries. Project F-71-R-10, Subproject
106	02745 02044	lon 00	
<u>196</u>	02745-02811	Jan-89	III, Job No. 8. Idaho Department of Fish and Game, Boise, ID.  Howell, P.J. and D.V. Buchanan, eds. 1992. Proceedings of the Gearhart
			Mountain bull trout workshop. Oregon Chapter of the American Fisheries
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197	02812-02881	1992	personal communication.
<u>137</u>	UZU1Z-UZ001	1334	Jakober, M. 1995. Autumn and Winter Movement and Habitat Use of Resident
<u>198</u>	02882-03007	May-95	Bull Trout and Westslope Cutthroat Trout in Montana.
180	02002-03007	iviay-90	Duii 110ut and Westsiope Outilioat 110ut III Worldand.

Hyperlink	Bate Stamp Range	Date of Document	Description
Пуреннк	Nange	Document	Klamath Tribes Natural Resources Department. 1996. Draft, A synopsis of the
			early life history and ecology of catostomids, with a focus on the Williamson
<u>199</u>	03008-03034	Nov-96	River Delta
100	00000 00001	1107 00	Leary, R.F. and F.W. Allendorf. 1997. Genetic confirmation of sympatric bull
			trout and
			Dolly Varden in western Washington. Transactions of the American Fisheries
200	03035-03040	1997	Society 126:715-720.
			Leathe, S.A. and P. Graham. 1982. Flathead Lake Fish Food Habits Study.
			Environmental Protection Agency, through Steering Committee for the Flathead
<u>201</u>	03041-03248	Oct-82	River Basin Environmental Impact Study.
			Maret, T.R., T.A. Burton, G.W. Harvey. and W.H. Clark. 1993. Field testing of
			new monitoring protocols to assess brown trout spawning habitat in an Idaho
<u>202</u>	03249-03262	1993	stream. N. Am. J. Fish. Man. 13:567-580.
			Mauser, G.R., R.W. Vogelsang, and C.L. Smith. 1988. Enhancement of Trout in
			Large North Idaho Lakes. Idaho Department of Fish and Game. Project # F-73-
<u>203</u>	03263-03365	Aug-88	R-10.
			McCullough, D.A. 1999. A review and synthesis of effects of alterations to the
			water temperature regime on freshwater life stages of salmonids, with special
			reference to chinook salmon. Prepared for the U.S. Environmental Protection
<u>204</u>	03366-03654	2/22/1999	Agency, Region 10, Seattle, Washington.
			McPhail, J.D., and J.S. Baxter. 1996. A Review of Bull Trout (Salvelinus
			confluentus) Life-history and Habitat Use in Relation to Compensation and
		4000	improvement Opportunities. University of British Columbia. Fisheries
<u>205</u>	03655-03691	1996	Management Report #104.
			McPhail, J.D., and C.B. Murray. 1979. The early life-history and ecology of Dolly
			Varden (Salvelinus malma) in the Upper Arrow Lakes. Department of Zoology
			and Institute of Animal Resources, University of British Columbia, Vancouver,
206	03692-03824	Dec-79	British Columbia.
200	03092-03024	Dec-79	Monda, D. and M.K. Saiki. 1993. Tolerance of Juvenile Lost River and
			Shortnose Suckers to High pH, Ammonia concentration, and Temperature, and
			to Low Dissolved Oxygen concentration. USFWS Report for US Bureau of
207	03825-03922	Jul-93	Reclamation. July 1995.
201	00020 00022	<b>3</b> 4. 3 5	Moyle, P. and J. Cech, Jr. 1988. Fishes: an introduction to ichthyology. Prentice
<u>208</u>	03923-03930	1988	Hall, Inc., New Jersey.
			ODEQ (Oregon Department of Environmental Quality). 1995. Dissolved
			Oxygen. Final Issue Paper. 1992-1994 Water quality standards review.
<u>209</u>	03931-04096	Jun-95	Standards and Assessment Section, Portland, Oregon.
			ODEQ (Oregon Department of Environmental Quality). 2003. A Summary of the
			discussion and findings of ODEQ's Technical Advisory Committee on Water
			Quality Criteria for Temperature. Oregon Department of Environmental Quality,
<u>210</u>	04097-04119	4/26/2001	Portland, Oregon.
			ODFW (Oregon Department of Fish and Wildlife). 1996. Species at Risk:
		_	Sensitive, Threatened and Endangered Vertebrates of Oregon. ODFW,
<u>211</u>	04120-04132	Jun-96	Portland.
			Phillips, R. B., K.A. Pleyte, and P.E. Ihssen. 1989. Patterns of chromosomal
	0.4400 5.4455	40	nuclear organizer region (NOR) variation in fishes of the genus Salvelinus.
<u>212</u>	04133-04136	1989	Copeia, 1989: 47-53.
			Pleyte, K.A., S.D. Duncan, and R. B. Phillips. 1992, Evolutionary relationships
040	04407.04444	0/0/4000	of the salmonids fish genus Salvellinus inferred from DNA sequences of the
<u>213</u>	04137-04144	6/2/1992	first internal transcribed spacer (ITS 1) of ribosomal DNA

	Bate Stamp	Date of	
Hyperlink	Range	Document	Description
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			the Gearhart Mountain Bull Trout Workshop, ed. Howell, P.J. and D.V.
24.4	04445 04450	1000	Buchanan. Gearhart Mountain, OR.Corva]lis, OR: Oregon Chapter of the
<u>214</u>	04145-04152	1992	American Fisheries Society. August 1992. Pratt, K.L. 1985. Pend Oreille trout and char life history study. Idaho
215	04153-04222	1985	Department of Fish and Game, Boise, Idaho.
210	04133-04222	1905	Pratt, K.L., and J.E. Huston. 1993. Status of bull trout (Salvelinus confluenrus)
			in Lake Pend Oreille and the lower Clark Fork River: (draft report) Prepared for
<u>216</u>	04223-04422	12/1/1993	the WWPC, Spokane, WA.
<u> </u>	0.220022	, .,	Ratliff, D. E. and P.J. Howell, 1992. The status of bull trout populations in
<u>217</u>	04423-04430	1992	Oregon. Proceeding of the Gearhart mountain bull trout workshop.
-			Rich, C.F., Jr. 1996. Influence of abiotic and biotic factors on occurrence of
			resident bull trout in fragmented habitats, western Montana. MS thesis,
<u>218</u>	04431-04490	May-96	Montana State University, Bozeman, MT.
			Rieman, B.E. and F.W. Allendorf. 2001 (in press) Effective population size and
<u>219</u>	04491-04500	2001	Genetic conservation criteria for bull trout.
			Rieman, B., and J. Clayton. 1997. Wildfire and native fish: issues of forest
<u>220</u>	04501-04508	Nov-97	health and conservation of sensitive species. Fisheries 22(1 1):6-15.
			Reiman, B., and G. Chandler. 1999. Empirical evaluation of temperature effects
			on bull trout distribution in the Northwest. Final Report. Contract No. 12957242-
<u>221</u>	04509-04547	2/16/1999	01-0. U.S. Environmental Protection Agency, Boise, ID.
			Rieman, B.E., and J.D. Mcintyre. 1993. Demographic and habitat requirements
			of bull trout Salvelinus confluenrus. General Technical Report INTGTR- 302.
222	04540 04500	Con O2	U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Ogden, Utah.
<u> </u>	04548-04589	Sep-93	Rieman, B.E., and J.D. McIntyre. 1995. Occurrence of bull trout in naturally
			fragmented habitat patches of varied size. Transactions of the American
<u>223</u>	04590-04601	May-95	Fisheries Society 124:285-296.
<u> </u>	0 1000 0 1001	may oo	Rieman, B.E. and J.D. McIntyre. 1996. Spatial and temporal variability in bull
224	04602-04611	1996	trout redd counts. North American J. of Fisheries Manage. 16: 132-141.
<u> </u>	04002-04011	1990	Trout read courts. North American 3. or i isheries Manage. 10. 132-141.
			Rieman, BE. and D.L. Myers. 1997. Use of redd counts to detect trends in bull
<u>225</u>	04612-04615	1/30/1997	trout (Salvelinus confluentus) populations. Conservation Biology 11:1015-1018.
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Reiman, B.E., Lee, D. and R.F. Thurow. 1997. Distribution, status and likely
			future trends of bull trout within the Columbia River and Kiamath River basins.
226	04616-04630	1997	North American J. of Fisheries Manage. 17:1111-1125.
			Risser, P.O. 2000. Oregon State of the Environment Report. Oregon Progress
<u>227</u>	04631-04911	2000	Board.
			Scheerer P.D. and 0. D. Apke. 1998. Oregon Chub Research (1997): Middle
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269 07623-07625 10/6/2003 FWS 270 07626-07628 10/1/2003 Draft FWS Comments on Oregon Proposed Rule 271 07629-07630 9/17/2003 FWS 272 07631-07632 9/2/2003 WQ Standards for Oregon 273 07633-07634 8/28/2003 Conference Call 274 07635-07635 8/20/2003 Elizabeth Materna, FWS, Handwritten Notes from Where and When 275 07636-07638 8/20/2003 Elizabeth Materna, FWS, comments on Analysis of Effects Dry Run 276 07639-07640 8/6/2003 Elizabeth Materna, FWS, comments on Where and When Conference 277 07641-07643 8/5/2003 Beneficial Uses in Oregon 278 07644-07645 7/30/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference 279 07646-07726 7/21/2003 Beneficial Uses in Oregon 280 07727-07727 7/15/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference 281 07728-07729 7/11/2003 Call 282 07730-07745 7/7/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference 283 07746-07775 6/10/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference 284 07775-07775 6/10/2003 Call 285 07776-07866 Jan-03 Draft Dregon Temperature Criteria 286 07867-07871 No Date Elizabeth Materna, FWS, Handwritten Notes on Basin Timing 287 07872-07872 No Date Elizabeth Materna, FWS, Handwritten Notes on Basin Timing 288 07873-07884 No Date Elizabeth Materna, FWS, Handwritten Notes 289 07873-07878 No Date Elizabeth Materna, FWS, Handwritten Notes 280 07873-07878 No Date Elizabeth Materna, FWS, Handwritten Notes 287 07872-07872 No Date Elizabeth Materna, FWS, Handwritten Notes 288 07873-07884 No Date Elizabeth Materna, FWS, Handwritten Notes from discussion with Janine				
270	200	0/021-0/022	10/6/2003	
270    07626-07628    10/1/2003    Draft FWS Comments on Oregon Proposed Rule    Elizabeth Materna, FWS Handwritten Notes from conversation with Chris Allen, FWS    07629-07630    9/17/2003    FWS    Comments by Elizabeth Materna, FWS, on draft BA for EPA's Promulgation    WQ Standards for Oregon    Elizabeth Materna, FWS, on draft BA for EPA's Promulgation    WQ Standards for Oregon    Elizabeth Materna, FWS, Handwritten Notes from Where and When    Conference Call    Conference Call    Elizabeth Materna, FWS, comments on Analysis of Effects Dry Run    Elizabeth Materna, FWS, Handwritten notes on Where and When Conference    Call    Final Draft of Decision Rules to Designate Pacific Salmon and Bull Trout    Beneficial Uses in Oregon    Elizabeth Materna, FWS, Handwritten notes on Where and When Conference    Call    Elizabeth Materna, FWS, Handwritten notes on Where and When Conference    Call    Elizabeth Materna, FWS, Handwritten notes on Where and When Conference    Call    Elizabeth Materna, FWS, Handwritten notes on Where and When Conference    Call    Elizabeth Materna, FWS, Handwritten notes on Where and When Conference    Call	260	07623-07625	10/6/2003	
Elizabeth Materna, FWS Handwritten Notes from conversation with Chris Allen, FWS				
271 07629-07630 9/17/2003 FWS   Comments by Elizabeth Materna, FWS, on draft BA for EPA's Promulgation WQ Standards for Oregon   Elizabeth Materna, FWS, Handwritten Notes from Where and When   Conference Call   274 07635-07635 8/20/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When   Conference Call   Elizabeth Materna, FWS, Handwritten notes on Where and When Conference   Call   Elizabeth Materna, FWS, Handwritten notes on Where and When Conference   Call   Elizabeth Materna, FWS, Handwritten notes on Where and When Conference   Call   Elizabeth Materna, FWS, Handwritten notes on Where and When Conference   Call   Elizabeth Materna, FWS, Handwritten notes on Where and When Conference   Elizabeth Materna, FWS, Handwritten notes on Where and When Conference   Call   Elizabeth Materna, FWS, Handwritten notes on Where and When Conference   Call   Draft Department of Environmental Quality Water Pollution Division 41 Water   O7644-07645   7/30/2003   Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)   D7728-07729   7/11/2003   Decision Rule Assumptions to Date   281   07728-07729   7/11/2003   Decision Rule Assumptions to Date   282   07730-07745   7/7/2003   Draft Bull Trout Critical Habitat Maps with handwritten notes   283   07746-07774   7/7/2003   Draft Bull Trout Critical Habitat Maps with handwritten notes   284   07775-07775   6/10/2003   Elizabeth Materna, FWS, Handwritten Notes   285   07776-07866   Jan-03   Approval of Oregon Water Quality Standards   286   07867-07871   No Date   Elizabeth Materna, FWS, Handwritten Notes   286   07873-07872   No Date   Elizabeth Materna, FWS, Handwritten Notes   Elizabeth Materna, FWS, Handw	210	07020-07020	10/1/2003	
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272 07631-07632 9/2/2003 WQ Standards for Oregon  Elizabeth Materna, FWS, Handwritten Notes from Where and When  Conference Call  274 07635-07635 8/20/2003 Elizabeth Materna, FWS, comments on Analysis of Effects Dry Run  Elizabeth Materna, FWS, Handwritten notes on Where and When Conference  275 07636-07638 8/6/2003 Call  276 07639-07640 8/6/2003 Energical Uses in Oregon  277 07641-07643 8/5/2003 Energical Uses in Oregon  Elizabeth Materna, FWS, Handwritten notes on Where and Bull Trout  Beneficial Uses in Oregon  Elizabeth Materna, FWS, Handwritten notes on Where and When Conference  278 07644-07645 7/30/2003 Energical Uses in Oregon  Elizabeth Materna, FWS, Handwritten notes on Where and When Conference  279 07646-07726 7/21/2003 Call  Draft Department of Environmental Quality Water Pollution Division 41 Water  279 07646-07726 7/21/2003 Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)  280 07727-07727 7/15/2003 Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)  281 07728-07729 7/11/2003 Draft Bull Trout Critical Habitat Maps with handwritten notes  282 07730-07745 7/7/2003 Draft Oregon Temperature Criteria  284 07775-07775 6/10/2003 Elizabeth Materna, FWS, Handwritten Notes  Draft US Fish and Wildlife Service (USFWS) Biological Opinion (BO) for EPA  285 07776-07866 Jan-03 Approval of Oregon Water Quality Standards  286 07867-07871 No Date Elizabeth Materna, FWS, Handwritten Notes  Draft US Fish and Wildlife Service (USFWS) Biological Opinion (BO) for EPA  287 07872-07872 No Date Elizabeth Materna, FWS, Handwritten Notes  Elizabeth Materna, FWS, Handwritten Notes  Elizabeth Materna, FWS, Handwritten Notes from discussion with Janine  Elizabeth Materna, FWS, Handwritten Notes from discussion with Janine	<u> </u>	01023 01000	3/11/2003	
273 07633-07634 8/28/2003 Elizabeth Materna, FWS, Handwritten Notes from Where and When Conference Call 274 07635-07635 8/20/2003 Elizabeth Materna, FWS, comments on Analysis of Effects Dry Run 275 07636-07638 8/6/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference Call 276 07639-07640 8/6/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference Call 277 07641-07643 8/5/2003 Beneficial Uses in Oregon 278 07644-07645 7/30/2003 Elizabeth Materna, FWS, Handwritten notes on Where and Bull Trout Beneficial Uses in Oregon 279 07646-07726 7/21/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference Call 279 07646-07726 7/21/2003 Quality Standards Beneficial Uses, Policies and Criteria for Oregon 280 07727-07727 7/15/2003 Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA) 281 07728-07729 7/11/2003 Decision Rule Assumptions to Date 282 07730-07745 7/7/2003 Draft Bull Trout Critical Habitat Maps with handwritten notes 283 07746-07774 7/7/2003 Draft Bull Trout Critical Habitat Maps with handwritten notes 284 07775-07775 6/10/2003 Elizabeth Materna, FWS, Handwritten Notes 285 07776-07866 Jan-03 Approval of Oregon Water Quality Standards 286 07867-07871 No Date Elizabeth Materna, FWS, Handwritten Notes on Basin Timing 287 07872-07872 No Date Elizabeth Materna, FWS, Handwritten Notes	272	07631-07632	9/2/2003	· · · · · · · · · · · · · · · · · · ·
273 07633-07634 8/28/2003 Conference Call 274 07635-07635 8/20/2003 Elizabeth Materna, FWS, comments on Analysis of Effects Dry Run 275 07636-07638 8/6/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference 276 07636-07638 8/6/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference 276 07639-07640 8/6/2003 Beneficial Uses in Oregon 277 07641-07643 8/5/2003 Beneficial Uses in Oregon 278 07644-07645 7/30/2003 Elizabeth Materna, FWS, Handwritten notes on Where and When Conference 279 07646-07726 7/21/2003 Quality Standards Beneficial Uses, Policies and Criteria for Oregon 280 07727-07727 7/15/2003 Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA) 281 07728-07729 7/11/2003 Decision Rule Assumptions to Date 282 07730-07745 7/7/2003 Draft Bull Trout Critical Habitat Maps with handwritten notes 283 07746-07774 7/7/2003 Draft Oregon Temperature Criteria 284 07775-07775 6/10/2003 Elizabeth Materna, FWS, Handwritten Notes 285 07776-07866 Jan-03 Approval of Oregon Water Quality Standards 286 07867-07871 No Date Elizabeth Materna, FWS, Handwritten Notes on Basin Timing 287 07872-07872 No Date Elizabeth Materna, FWS, Handwritten Notes on Basin Timing Elizabeth Materna, FWS, Handwritten Notes				
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27507636-076388/6/2003Call27607639-076408/6/2003Beneficial Uses in Oregon27707641-076438/5/2003Beneficial Uses in Oregon27807644-076457/30/2003Elizabeth Materna, FWS, Handwritten notes on Where and When Conference27807644-076457/30/2003Call27907646-077267/21/2003Quality Standards Beneficial Uses, Policies and Criteria for Oregon28007727-077277/15/2003Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)28107728-077297/11/2003Decision Rule Assumptions to Date28207730-077457/7/2003Draft Draft Oregon Temperature Criteria28307746-077747/7/2003Draft Oregon Temperature Criteria28407775-077756/10/2003Elizabeth Materna, FWS, Handwritten NotesDraft US Fish and Wildlife Service (USFWS) Biological Opinion (BO) for EPA28507776-07866Jan-03Approval of Oregon Water Quality Standards28607867-07871No DateElizabeth Materna, FWS, Handwritten Notes on Basin Timing28707872-07872No DateElizabeth Materna, FWS, Handwritten Notes28807873-07884No DateElizabeth Materna, FWS, Handwritten Notes from discussion with Janine	<u>274</u>	07635-07635	8/20/2003	Elizabeth Materna, FWS, comments on Analysis of Effects Dry Run
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276 07639-07640 8/6/2003 Beneficial Uses in Oregon  Final Draft of Decision Rules to Designate Pacific Salmon and Bull Trout Beneficial Uses in Oregon  Elizabeth Materna, FWS, Handwritten notes on Where and When Conference Call  Draft Department of Environmental Quality Water Pollution Division 41 Water Quality Standards Beneficial Uses, Policies and Criteria for Oregon Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)  279 07646-07726 7/21/2003 Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)  280 07727-07727 7/15/2003 Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)  281 07728-07729 7/11/2003 Decision Rule Assumptions to Date  282 07730-07745 7/7/2003 Draft Bull Trout Critical Habitat Maps with handwritten notes  283 07746-07774 7/7/2003 Elizabeth Materna, FWS, Handwritten Notes  Draft US Fish and Wildlife Service (USFWS) Biological Opinion (BO) for EPA Approval of Oregon Water Quality Standards  285 07867-07871 No Date Elizabeth Materna, FWS, Handwritten Notes on Basin Timing  287 07872-07872 No Date Elizabeth Materna, FWS, Handwritten Notes	<u>275</u>	07636-07638	8/6/2003	
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277 07641-07643 8/5/2003 Beneficial Uses in Oregon  Elizabeth Materna, FWS, Handwritten notes on Where and When Conference  278 07644-07645 7/30/2003 Call  Draft Department of Environmental Quality Water Pollution Division 41 Water  279 07646-07726 7/21/2003 Quality Standards Beneficial Uses, Policies and Criteria for Oregon  280 07727-07727 7/15/2003 Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)  281 07728-07729 7/11/2003 Decision Rule Assumptions to Date  282 07730-07745 7/7/2003 Draft Bull Trout Critical Habitat Maps with handwritten notes  283 07746-07774 7/7/2003 Draft Oregon Temperature Criteria  284 07775-07775 6/10/2003 Elizabeth Materna, FWS, Handwritten Notes  Draft US Fish and Wildlife Service (USFWS) Biological Opinion (BO) for EPA  285 0776-07866 Jan-03 Approval of Oregon Water Quality Standards  286 07867-07871 No Date Elizabeth Materna, FWS, Handwritten Notes on Basin Timing  287 07872-07872 No Date Elizabeth Materna, FWS, Handwritten Notes  Elizabeth Materna, FWS, Handwritten Notes from discussion with Janine	<u>276</u>	07639-07640	8/6/2003	
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27807644-076457/30/2003Call27907646-077267/21/2003Quality Standards Beneficial Uses, Policies and Criteria for Oregon28007727-077277/15/2003Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)28107728-077297/11/2003Decision Rule Assumptions to Date28207730-077457/7/2003Draft Bull Trout Critical Habitat Maps with handwritten notes28307746-077747/7/2003Draft Oregon Temperature Criteria28407775-077756/10/2003Elizabeth Materna, FWS, Handwritten NotesDraft US Fish and Wildlife Service (USFWS) Biological Opinion (BO) for EPA28507867-07871No DateElizabeth Materna, FWS, Handwritten Notes on Basin Timing28707872-07872No DateElizabeth Materna, FWS, Handwritten Notes28807873-07884No DateHood River Map RevisionsElizabeth Materna, FWS, Handwritten Notes from discussion with Janine	<u>277</u>	07641-07643	8/5/2003	
Draft Department of Environmental Quality Water Pollution Division 41 Water  7/21/2003 Quality Standards Beneficial Uses, Policies and Criteria for Oregon  80 07727-07727 7/15/2003 Elizabeth Materna, FWS, comments on Draft Biological Assessment (BA)  81 07728-07729 7/11/2003 Decision Rule Assumptions to Date  82 07730-07745 7/7/2003 Draft Bull Trout Critical Habitat Maps with handwritten notes  83 07746-07774 7/7/2003 Draft Oregon Temperature Criteria  84 07775-07775 6/10/2003 Elizabeth Materna, FWS, Handwritten Notes  85 Draft US Fish and Wildlife Service (USFWS) Biological Opinion (BO) for EPA  86 07867-07871 No Date Elizabeth Materna, FWS, Handwritten Notes on Basin Timing  87 07872-07872 No Date Elizabeth Materna, FWS, Handwritten Notes  88 07873-07884 No Date Hood River Map Revisions  80 Elizabeth Materna, FWS, Handwritten Notes from discussion with Janine	070	07044 07045	7/00/2222	
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Hyperlink	Range	Document	Description
пурстик	rungo	Document	John Day Bull Trout Core Area Maps with handwritten notes from Elizabeth
<u>290</u>	07886-07890	No Date	Materna, FWS
<u>291</u>	07891-07892	No Date	Elizabeth Materna, FWS, Handwritten notes on Effects Analysis
<u>292</u>	07893-07899	No Date	Table of Bull Trout Effects at various temp.
			Draft USFWS Biological Opinion for EPA Approval of Oregon Water Quality
<u>293</u>	07900-07943	No Date	Standards
<b>Biological</b>	Opinion Email M	essages	
			EMail from David Leal, FWS, to Elizabeth Materna, FWS, Subject: Paul
			Bridges, FWS, status of the species for bull trout/Oregon chub, with 1
<u>294</u>	07944-07944	2/11/2004	attachment
<u>295</u>	07945-08008	2/11/2004	Attachment 1: Status of the Species, Oregon Chub
			EMail from Jennifer Lord, FWS, to Elizabeth Materna, FWS, Subject: Review of
<u>296</u>	08009-08009	2/9/2004	Oregon chub information
	00010 00010	4 /00 /000 4	Email from Jeff Lockwood, NOAA, to Mark Charles, ODEQ, et al., Subject: DEQ
<u>297</u>	08010-08010	1/29/2004	Temperature Letter No. 2
000	00044 00040	4 /00 /000 4	Email from Cathy Tortorici, NOAA, to John Palmer, EPA, et al., Subject:
<u>298</u>	08011-08012	1/22/2004	Revised conservation Measure #1 (slight date change)
200	00040 00040	40/40/2002	EMail from Emily Smith, DEQ, to Chris Mebane, NOAA, et al., Subject: DEQ
<u>299</u>	08013-08013	12/19/2003	Response to Public Comment Summary, with 1 attachment
200	00014 00061	12/10/2002	Attachment 1: Attachment B Division 41 Revisions Response to Public Comment (11-10-03)
<u>300</u>	08014-08061	12/19/2003	EMail from Debra Sturdevant, DEQ, to Chris Mebane, NOAA, et al., Subject:
301	08062-08062	12/18/2003	Environmental Quality Commission adopts Temperature Rule
<u>301</u>	00002-00002	12/10/2003	EMail from Dru Keenan, EPA, to Elizabeth Materna, FWS, Subject: Draft
<u>302</u>	08063-08064	12/17/2003	Conservation Measures Please Review, with 2 attachments.
<u>302</u>	00003-00004	12/11/2003	Attachment 1: Re-draft of Conservation Measures based on December 11th
<u>303</u>	08065-08066	12/17/2003	conference call
<u> </u>	00000 00000	12/11/2000	Attachment 2: 12/15/03 Draft of Conservation Measures based on December
304	08067-08068	12/17/2003	11th conference call
			EMail from Dru Keenan, EPA, to Elizabeth Materna, FWS, Subject: Oregon
305	08069-08071	12/17/2003	Clarification Letter, with 1 attachment
			Attachment 1: 12/15/03 Draft of Conservation Measures based on December
306	08072-08073	12/17/2003	11th conference call
			Email from Elizabeth Materna, FWS, to John Palmer, EPA, et al., Subject:
<u>307</u>	08074-08076	12/16/2003	Oregon Clarification Letter with 1 attachment
<u>308</u>	08077-08078	12/16/2003	Attachment 1: Re-draft of Conservation Measures Dec 15, 2003
			EMail from Chris Allen, FWS, to Elizabeth Materna, FWS, Subject: bull trout
<u>309</u>	08079-08079	12/11/2003	status of the species, with 1 attachment
<u>310</u>	08080-08119	12/11/2003	Attachment 1: Status of Species Critical Habitat, Bull Trout
			EMail from Chris Allen, FWS, to Elizabeth Materna, FWS, Subject: Chapter 1
<u>311</u>	08120-08120	12/11/2003	on Bull Trout Development, with 1 attachment
		10/11/2225	Attachment 1: Bull Trout Draft Recovery Plan, Chapter 1 Introductory, October
<u>312</u>	08121-08267	12/11/2003	2002
040	2222	40/4/0000	Email from Dru Keenan, EPA, to Elizabeth Materna, FWS, Subject: decision
<u>313</u>	08268-08271	12/4/2003	rules
04.4	00070 00070	44/04/0000	EMail from Debra Sturdevant, DEQ, to Larry Knudsen, OSU, et al, Subject:
314	08272-08272	11/24/2003	Possible bull trout criteria revision, with 1 attachment
<u>315</u>	08273-08276	11/24/2003	Attachment 1: Bull trout changes
240	00077 00077	11/24/2002	EMail from Debra Sturdevant, DEQ, to Larry Knudsen, OSU, et al., Subject:
316 317	08277-08277	11/24/2003	Possible bull trout criteria revision, with 1 attachment
<u>317</u>	08278-08281	11/24/2003	Attachment 1: Bull trout changes

	February 24, 2004				
	Bate Stamp	Date of			
Hyperlink	Range	Document	Description		
			Email from Jeff Lockwood, NOAA, to Deb Sturdevant, ODEQ, et al., Subject:		
<u>318</u>	08282-08282	11/20/2003	issue or clarification- protecting cold water		
			Email from Anne Walker, FWS, to Elizabeth Materna, FWS, Subject: Holy Heat		
<u>319</u>	08283-08288	11/4/2003	Sump, temperature below Clear Branch Dam		
			EMail from Elizabeth Materna, FWS, to Mark Charles, DEQ, et al., Subject:		
<u>320</u>	08289-08290	11/4/2003	Two more comments on latest Draft of Division 41 11/3/03		
			EMail from Mark Charles, DEQ to Mark Charles, DEQ, et al., Subject: Latest		
<u>321</u>	08291-08291	11/3/2003	Draft of Division 41 11/3/03, with 1 attachment		
			Attachment 1: Department of Environmental Quality Water Pollution Division		
			41 Water Quality Standards, Beneficial Uses, Policies and Criteria for Oregon,		
<u>322</u>	08292-08396	11/3/2003	11/03/03 Draft		
000	00007 00007	4.4/0/0000	EMail from Elizabeth Materna, FWS, to Mark Charles, DEQ, et al., Subject:		
<u>323</u>	08397-08397	11/3/2003	Latest Draft of Division 41 11/3/03		
204	00000 00000	44/0/0000	EMail from Elizabeth Materna, FWS, to Mark Charles, DEQ, et al., Subject:		
<u>324</u>	08398-08398	11/3/2003	One other thing in latest draft		
205	00200 00200	11/2/2022	EMail from Elizabeth Materna, FWS, to Mark Charles, DEQ, et al., Subject:		
<u>325</u>	08399-08399	11/3/2003	Latest Draft of Division 41 11/3/03  Email from Deb Sturdevant, ODEQ, to Jeff Lockwood, NOAA, et al., Subject:		
220	00400 00400	44/2/2002			
<u>326</u>	08400-08400	11/3/2003	Notes from 10/28 Meeting - Key Unresolved Issues  Email from Jeff Lockwood, NOAA, to Deb Sturdevant, ODEQ, et al., Subject:		
227	00404 00400	11/2/2002			
<u>327</u>	08401-08402	11/3/2003	Ecotrust Data		
220	00402 00402	10/21/2002	EMail from Mark Charles, DEQ, to Marylou Soscia, EPA, et al., Subject: Trick or Treat Draft of Division 41, with 1 attachment		
<u>328</u>	08403-08403	10/31/2003	Attachment 1: Department of Environmental Quality Water Pollution Division		
			41 Water Quality Standards, Beneficial Uses, Policies and Criteria for Oregon,		
329	08404-08503	10/31/2003	10/31/03 Draft		
<u>525</u>	00+0+-00000	10/31/2003	EMail from Mark Charles, DEQ to Paula Vanhaagen, EPA, et al., Subject:		
330	08504-08504	10/31/2003	Revised section 11, with 1 attachment		
331	08505-08506	10/31/2003	Attachment 1: Draft revised sections 11&12		
<u> </u>	00000 00000	10/01/2000	Email from Dru Keenan, EPA, to John Palmer, EPA, et al. Subject: Notes from		
332	08507-08507	10/31/2003	10/28 Meeting - Key Unresolved Issues, with 1 attachment		
333	08508-08509	10/31/2003	Draft Meeting Notes from Where & When Meeting		
			Email from Jeff Lockwood, NOAA, to Mark Charles, ODEQ, et al., Subject:		
334	08510-08510	10/30/2003	Oregon rule language		
			Email from Jeff Lockwood, NOAA, to Deb Sturdevant, ODEQ, et al., Subject:		
<u>335</u>	08511-08512	10/27/2003	FINAL notes from 10/14 where & when with 1 attachment		
336	08513-08514	10/27/2003	Attachment 1: Meeting Notes for October 14, 2003 Beneficial Use Group		
			EMail from Mark Charles, DEQ, to Mark Charles, DEQ, et al, Subject: 10/26		
<u>337</u>	08515-08515	10/27/2003	Revision of Proposed Division 41 (Temp) Rule, with 1 attachment		
	_		Attachment 1: Department of Environmental Quality Water Pollution Division 41		
			Water Quality Standards, Beneficial Uses, Policies and Criteria for Oregon,		
<u>338</u>	08516-08605	10/27/2003	10/26/03 Draft		
			Email from Chris Mebane, NOAA, to Jeff Lockwood, NOAA, et al., Subject: Fall		
<u>339</u>	08606-08607	10/24/2003	chinook spawning/incubation temperature designation, with 2 attachments		
			Attachment 1: Temperature during Incubation as One Factor Affecting the		
<u>340</u>	08608-08615	10/24/2003	Distribution of Snake River Fall Chinook Salmon Spawning Areas		
			Attachment 2: Salmon & Steelhead Spawning Through Fry Emergence Use		
<u>341</u>	08616-08616	10/24/2003	Designations Umpqua Basin Oregon Map, August 8, 2003		
			Email from Chris Mebane, NOAA, to Dru Keenan, EPA, et al., Subject:		
<u>342</u>	08617-08617	10/24/2003	Temperature analysis, round 2, with 1 attachment		
<u>343</u>	08618-08624	10/24/2003	Attachment 1: Table with GIS locations		

	Bate Stamp	Date of	
Hyperlink	Range	Document	Description
Пурстинк	rungo	Doddinont	EMail from Cedric Cooney, OSU, to Jeff Lockwood, NOAA, et al., Subject:
			Lines-of-evidence query results - updated as of 10/15/2003 (w/attachment),
344	08625-08625	10/17/2003	with 1 attachment
345	08626-08657	10/17/2003	Attachment 1: Temperature Standard Table
			EMail from Debra Sturdevant, DEQ, to Robert Anderson, NOAA et al, Subject:
346	08658-08658	10/13/2003	Temperature TAC meeting
			Email from Chris Mebane, NOAA, to Emily Smith, ODEQ, et al., Subject: NOAA
<u>347</u>	08659-08659	10/10/2003	comments on distribution of 16C's in Columbia R subbasins
			EMail from Tracy Harrison, DEQ, to Jeff Lockwood, NOAA et al., Subject:
			Comments from ODEQ and ODFW on Where & When mapping issues, with 1
<u>348</u>	08660-08660	10/8/2003	attachment
			Attachment 1: Internal comments received during comment period; Where and
<u>349</u>	08661-08663	10/8/2003	When; 10/08/03
			EMail from Emily Smith, DEQ, to Elizabeth Materna, FWS, Subject: John Day
<u>350</u>	08664-08664	9/23/2003	corrections
		_ ,	EMail from Emily Smith, DEQ, to Elizabeth Materna, FWS, Subject: Bull trout
<u>351</u>	08665-08665	9/22/2003	John Day maps
		_ ,	EMail from Emily Smith, DEQ, to Elizabeth Materna, FWS, Subject: Bull trout
<u>352</u>	08666-08666	9/18/2003	John Day maps
		- / / - /	EMail from Emily Smith, DEQ to Elizabeth Materna, FWS, Subject: Klamath
<u>353</u>	08667-08667	9/10/2003	map, with 2 attachments
0.74		0/40/0000	Attachment 1: Figure 201A/260A; Critical Period Fish Use Designations
<u>354</u>	08668-08668	9/10/2003	Powder and Malheur Basins, Oregon; Draft 08/08/03 Map
055	00000 00000	0/40/0000	Attachment 2: Figure 180A; Critical Period Fish Use Designations Klamath
<u>355</u>	08669-08669	9/10/2003	Basin, Oregon, Draft 08/08/03 Map
250	00070 00070	0/42/2002	Email from Chris Mebane, NOAA, to Elizabeth Materna, FWS, et al., Subject:
<u>356</u>	08670-08670	8/13/2003	Revised Grande Ronde maps - attached with 2 attachments  Attachment 1: Figure 151B: Salmon, Steelhead and Bull Trout Spawning
357	08671-08671	8/13/2003	through Fry Emergence Beneficial Use Designation, Grande Ronde Basin
<u> </u>	00071-00071	0/13/2003	Attachment 2: Figure 151A: Critical Period, Fish Use Designations Grande
358	08672-08672	8/13/2003	Ronde Basin, Oregon Draft
000	00012 00012	0/10/2000	EMail from Debra Sturdevant, DEQ to Elizabeth Materna, FWS, Subject:
359	08673-08675	8/12/2003	Powder and Malheur summer max map
	555. 5 556. 6	S, 12,2000	EMail from Elizabeth Materna, FWS, to Tracy Harrison, DEQ, et al., Subject:
<u>360</u>	08676-08676	8/11/2003	Powder and Malheur summer max map, with 1 attachment
			Attachment 1: Critical Period, Fish Use Designations Powder and Malheur
<u>361</u>	08677-08677	8/11/2003	Basins, Oregon, Draft 08/08/03 Map
			EMail from Tracy Harrison, DEQ, to Elizabeth Materna, FWS Subject: Powder
<u>362</u>	08678-08679	8/11/2003	and Malheur summer max map
			EMail from Tracy Harrison, DEQ, to Chris Mebane, NOAA, et al., Subject:
<u>363</u>	08680-08680	8/8/2003	Klamath summer max map, with 1 attachment
			Attachment 1: Critical Period, Fish Use Designations, Klamath Basin, Oregon,
<u>364</u>	08681-08681	8/8/2003	Draft, 08/08/03 Map
			Salmon Steelhead & Bull Trout Spawning Through Fry Emergence Beneficial
<u>365</u>	08682-08682	8/7/2003	Use Designations John Day Basin
			Salmon Steelhead & Bull Trout Spawning Through Fry Emergence Beneficial
<u>366</u>	08683-08683	8/7/2003	Use Designations Umatilla Basin
			Salmon Steelhead & Bull Trout Spawning Through Fry Emergence Beneficial
<u>367</u>	08684-08684	8/7/2003	Use Designations Deschutes Basin
			EMail from Tracy Harrison, DEQ to Chris Mebane, NOAA, et al., Subject:
<u>368</u>	08685-08685	8/7/2003	Willamette, Mid Coast, and North Coast spawning maps, with 3 attachments

	Bate Stamp	Date of	
Hyperlink	Range	Document	Description
			Attachment 1: Salmon, Steelhead & Bull Trout Spawning Through Fry
<u>369</u>	08686-08686	8/7/2003	Emergence Use Designations Willamette Basin Oregon, Draft, 08/07/03 Map
			Attachment 2: Salmon & Steelhead Spawning Through Fry Emergence Use
<u>370</u>	08687-08687	8/7/2003	Designations Mid Coast Basin, Oregon, Draft 08/07/03 Map
			Attachment 3: Salmonid Spawning Through Fry Emergence Use Designations
<u>371</u>	08688-08688	8/7/2003	North Coast Basin, Oregon, Draft 08/07/03 Map
			EMail from William Bogue, EPA, to William Bogue, EPA, et al., Subject:
<u>372</u>	08689-08689	8/6/2003	Deschutes Summer Max & Umpqua Spawning Maps, with 2 attachments
			Attachment 1: Preliminary Deschutes Basin Summer Maximum Stream
			Temperature Criteria for Protection of Salmon and Trout Core Rearing &
<u>373</u>	08690-08690	8/6/2003	Migration and Bull Trout Spawning Rearing & Migration Map
		_ ,_ ,	Attachment 2: Salmon & Steelhead Spawning Through Fry Emergence Use
<u>374</u>	08691-08691	8/6/2003	Designations Umpqua Basin Oregon Map
		0/0/0000	EMail from Tracy Harrison, DEQ, to Chris Mebane, NOAA, et al., Subject: Hood
<u>375</u>	08692-08692	8/6/2003	Spawning Map, with 1 attachment
070	00000 00000	0/0/0000	Attachment 1: Salmonid Spawning & Fry Emergence Use Designations Hood
<u>376</u>	08693-08693	8/6/2003	Basin, Oregon, Draft 08/06/03 Map
077	00004 00004	0/5/0000	EMail from Debra Sturdevant, DEQ, to John Palmer, EPA, et al., Subject: Final
<u>377</u>	08694-08694	8/5/2003	Draft of Where/When Decision Rules, with 1 attachment
270	00005 00000	0/5/2002	Attachment 1: Final Draft of Decision Rules to Designate Pacific Salmon and
<u>378</u>	08695-08696	8/5/2003	Bull Trout Beneficial Uses in Oregon; 08/05/2003
270	00007 00000	0/4/2002	EMail from Debra Sturdevant, DEQ, to Elizabeth Materna, FWS, Subject:
<u>379</u>	08697-08698	8/4/2003	Prime, sub-prime or cooler habitat  Email from Dru Keenan, EPA, to Elizabeth Materna, FWS, et al., Subject: NEW
200	00000 00700	7/31/2003	ALERT Bull Trout additional criteria provision
<u>380</u>	08699-08700	7/31/2003	EMail from Debra Sturdevant, DEQ, to Chris Mebane, NOAA, Subject: Prime,
			sub-prime, or cooler habitat, possible terms to use for the various temperature
381	08701-08703	7/31/2003	categories
<u>501</u>	00701-00703	773172003	categories
			EMail from Tracy Harrison, DEQ, to Tracy Harrison, DEQ, et al., Subject: Hood
382	08704-08704	7/30/2003	Basin Newest Spawning with and without Bull Trout, with 2 attachments
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Attachment 1: Salmonid Spawning and Fry Emergence Use Designations,
383	08705-08705	7/30/2003	Hood Basin Oregon; Draft, 07/30/2003
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Attachment 2: Salmonid Spawning and Fry Emergence Use Designations,
384	08706-08706	7/30/2003	Hood Basin Oregon; Draft, 07/30/2003
			Email from Chris Mebane, NOAA, to Tracy Harrison, ODEQ, et al., Subject:
<u>385</u>	08707-08707	7/29/2003	Please respond - Revised decision rules with 1 attachment
<u>386</u>	08708-08709	7/29/2003	Attachment 1: Decision Rules for mapping Salmonid Uses, 7/28/03 revision
			EMail from Chris Mebane, NOAA, to Debra Sturdevant, DEQ, Subject: Bull
<u>387</u>	08710-08711	7/28/2003	trout proposal
			EMail from Jennifer Weaver, DEQ, to Bill Blosser, et al., Subject: Nearly Last
<u>388</u>	08712-08712	7/28/2003	Call on Division 41 Revisions, with 1 attachment
			Attachment 1: Draft #5 (July 28, 2003) DEQ Water Pollution Division 41 State-
			Wide Water Quality Management Plan; Beneficial Uses, Policies, Standards
<u>389</u>	08713-08800	7/28/2003	and Treatment Criteria for Oregon
			EMail from Emily Smith, DEQ, to William Bogue, EPA et al., Subject: DEQ bull
			trout information, all 5 attachments are GIS files that are in one PDF file
<u>390</u>	08801-08801	7/25/2003	below
<u>391</u>	08802-08816	7/25/2003	Attachment: Draft GIS Maps
			Email from Deb Sturdevant, ODEQ, to John Palmer, EPA, et al., Subject: New
<u>392</u>	08817-08819	7/25/2003	Spawning Proposal!!!!!

	Bate Stamp	Date of	l epidary 24, 2004
Hyperlink	Range	Date of Document	Description
Пуренни	Nallye	Document	EMail from Jennifer Weaver, DEQ, to Bill Blosser, et al., Subject: Division 41
393	08820-08820	7/24/2003	Rewrite with 'HTML Curse' Reversed, with 1 attachment
<u> </u>	00020 00020	.,,_	Attachment 1: Draft #4 (July 21, 2003) DEQ Water Pollution Division 41 State-
			Wide Water Quality Management Plan; Beneficial Uses, Policies, Standards
394	08821-08901	7/24/2003	and Treatment Criteria for Oregon
			Email from John Palmer, EPA, to Chris Mebane, NOAA, et al., Subject: New
<u>395</u>	08902-08903	7/23/2003	Spawning Proposal
			Email from Debra Sturdevant, ODEQ, to Bill Bogue, EPA, et al., Subject: Bull
<u>396</u>	08904-08906	7/22/2003	Trout Spawning Mapping & Assigning Values to Diversions
			Email from Debra Sturdevant, ODEQ, to Bill Bogue, EPA, et al., Subject: bull
<u>397</u>	08907-08908	7/22/2003	trout files - FEEDBACK PLEASE!
			Email from Bill Bogue, EPA, to Emily Smith, ODEQ, et al., Subject: bull trout
<u>398</u>	08909-08910	7/22/2003	files - FEEDBACK PLEASE!, 1 attachment
			Attachment 1: Preliminary John Day Basin Summer Maximum Stream
			Temperature Criteria for Protection of Salmon & Trout Core Rearing & Migration
<u>399</u>	08911-08911	7/22/2003	and Bull Trout Spawning
			Email from Bill Bogue, EPA, to Debra Sturdevant, ODEQ, et al., Subject:
<u>400</u>	08912-08912	7/22/2003	Deschutes Bull Trout Summer Max, 2 attachments
			Attachment 1: Preliminary Deschutes Basin Summer Max Stream Temp
			Criteria for Protection of Salmon & Trout Core Rearing & Migration, and Bull
<u>401</u>	08913-08913	7/22/2003	Trout Spawning, Rearing & Migration
			Attachment 2: Preliminary Deschutes Basin Summer Max Stream Temp
			Criteria for Protection of Salmon & Trout Core Rearing & Migration, and Bull
<u>402</u>	08914-08914	7/22/2003	Trout Spawning, Rearing & Migration
400	00045 00045	7/04/0000	Email from Bill Bogue, EPA, to Bill Bogue, et al., Subject: John Day & Rogue
<u>403</u>	08915-08915	7/21/2003	Maps for Today's conference call, 4 attachments
404	00016 00016	7/24/2002	Attachment 1: Preliminary Rogue Basin Maximum Stream Temperature Criteria
<u>404</u>	08916-08916	7/21/2003	for Protection of Salmon and Trout Spawning
		_,_,	Attachment 2: Preliminary Rogue Basin Summer Max Stream Temperature
<u>405</u>	08917-08917	7/21/2003	Criteria for Protection of Salmon & Trout Core Rearing & Migration
			Attachment 3: John Day Basin Preliminary Application of 13C Max Stream
<u>406</u>	08918-08918	7/21/2003	Temperature Criteria to Protect Salmon/Trout Spawning
			Attachment 4: Preliminary John Day Basin Summer Max Stream Temperature
407	00040 00040	7/04/0000	Criteria for Protection of Salmon & Trout Core Rearing & Migration and Bull
<u>407</u>	08919-08919	7/21/2003	Trout Spawning
400	00000 00000	7/16/2002	EMail from Anne Walker, FWS, to Elizabeth Materna, FWS, Subject: Hood BT
<u>408</u>	08920-08920	7/16/2003	map, with 1 attachment Attachment 1: Changes needed to Draft Hood Recovery Unit and Critical
409	08921-08921	7/16/2003	
408	00371-00371	1/10/2003	Habitat Map for finalization  EMail from Mark Charles, DEQ, to Jennifer Weaver, DEQ, et al., Subject:
410	08922-08922	7/14/2003	Current New Division 41 Rewrite with Track Changes, with 1 attachment
410	00322-00322	1/1 <del>4</del> /2003	Attachment 1: Draft DEQ Water Pollution Division 41 State-Wide Water Quality
			Management Plan; Beneficial Uses, Policies, Standards and Treatment Criteria
<u>411</u>	08923-08959	7/14/2003	for Oregon; July 14, 2003 (3rd draft)
411	00920-00909	1/17/2003	EMail from Mark Charles, DEQ, to Jennifer Weaver, DEQ, et al., Subject:
<u>412</u>	08960-08960	7/14/2003	Current New Division 41 Rewrite with Track Changes, with 1 attachment
<u> </u>	30300 00300	1/11/2000	Attachment 1: Draft DEQ Water Pollution Division 41 State-Wide Water Quality
			Management Plan; Beneficial Uses, Policies, Standards and Treatment Criteria
<u>413</u>	08961-08997	7/14/2003	for Oregon; July 14, 2003 (3rd draft)
<u> </u>	50501 00551	1/17/2000	Email from Dru Keenan, EPA, to Cedric Cooney, ODFW, et al., Subject:
414	08998-08999	7/11/2003	Decision Rules Justifications/Assumptions- to date; 1 attachment
415	09000-09001	7/11/2003	Attachment 1: Decision Rule Assumptions to date
<del>+10</del>	33000 0300 I	1/11/2000	radominent 1. Decision raio resumptions to date

	Bate Stamp	Date of	
Hyperlink	Range	Document	Description
пуроппи	itango	Dodamon	200011611011
			Email from Emily Smith, DEQ to William Bogue, EPA and Elizabeth Materna,
<u>416</u>	09002-09003	6/25/2003	FWS Subject: ArcView files for the Bull Trout Habitat Use Designations
			Email from John Palmer, EPA, to Jeffrey Lockwood, NOAA, et al., Subject:
			Agenda for Where/When Meeting 5/27-28; 5 attachments Attachment 1: draft
			Agenda Attachment 2: Trail Map Attachment 3: Oregon Options
			Recommendations Attachment 4: Life stage inventory Attachment 5: OFWO
417	09004-09072	5/21/2003	complete manual
Temperatu	re Project Email	Messages	
			EMail from John Palmer, EPA, to Dave Mabe, IDEQ, et al., Subject: Final
<u>418</u>	09073-09073	4/28/2003	Temperature Guidance, with 4 attachments
			Attachment 1: EPA Final Guidance for Pacific NW State and Tribal
<u>419</u>	09074-09129	4/28/2003	Temperature Water Quality Standards; April 2003
420	09130-09132	4/28/2003	Attachment 2: NOAA support letter to EPA; April 23, 2003
421	09133-09135	4/28/2003	Attachment 3: FWS support letter to EPA; April 21, 2003
	_		
422	09136-09137	4/28/2003	Attachment 4: EPA Issues Final Water Temperature Guidance; April 2003
			EMail from John Palmer, EPA, to Dave Mabe, IDEQ, et al., Subject: 2-pager for
<u>423</u>	09138-09138	2/26/2003	Temperature Call today, with 1 attachment
			Attachment 1: Determining the Spatial Extent of the Recommended Salmonid
<u>424</u>	09139-09141	2/26/2003	Uses
			EMail from Jim Muck, FWS, to John Palmer, EPA, Subject: Reply to comments,
425	09142-09142	2/3/2003	with 1 attachment
			Attachment 1: EPA has not demonstrated that human influences on
426	09143-09144	2/3/2003	temperature is a problem for fish populations as a whole
			EMail from John Palmer, EPA, to Dave Mabe, IDEQ, et al., Subject:
427	09145-09146	1/23/2003	Temperature Meeting Agenda & other materials, with 5 attachments
428	09147-09147	1/23/2003	Attachment 1: EPA Temperature Guidance Meeting Draft Agenda
429	09148-09154	1/23/2003	Attachment 2: Section VI & mixing zone provisions to protect salmonids
<u>430</u>	09155-09159	1/23/2003	Attachment 3: Possible changes to temperature guidance, draft, 01/16/02
			Attachment 4: Summary of Scientific Peer Review Discussion concerning US
			EPA Region 10 Guidance for stream temperature water quality standards,
<u>431</u>	09160-09169	1/23/2003	December 3, 2002
			Attachment 5: Major comments (categorized) on 2nd draft of temperature
<u>432</u>	09170-09176	1/23/2003	guidance; 1/7/03
			EMail from John Palmer, EPA, to Dave Mabe, IDEQ. et al., Subject: Temp
<u>433</u>	09177-09177	1/16/2003	Materials (Changes, Peer Review, Comment Sum), with 3 attachment(s).
<u>434</u>	09178-09182	1/16/2003	Attachment 1: Possible Changes to Temperature Guidance draft, 1/16/02
			Attachment 2: Summary of Scientific Peer Review Discussion concerning US
			EPA Region 10 Guidance for stream temperature water quality standards,
<u>435</u>	09183-09192	1/16/2003	December 3, 2002
	<u></u>		Attachment 3: Major Comments (categorized) on 2nd Draft of Temperature
<u>436</u>	09193-09199	1/16/2003	Guidance; 1/7/03
			EMail from John Palmer, EPA to Dru Keenan, EPA, et al., Subject: Peer Review
<u>437</u>	09200-09200	11/26/2002	Questions, with 2 attachments
			Attachment 1: Questions for the Scientific Peer Review Panel EPA's 2nd Draft
<u>438</u>	09201-09203	11/26/2002	Temperature Guidance; 11/26/2002
			Attachment 2: EPA Region 10 Draft Temperature Guidance Overview of 2nd
<u>439</u>	09204-09221	11/26/2002	public review draft
			EMail from John Palmer, EPA, to Dave Mabe, IDEQ, et al., Subject: Changes to
<u>440</u>	09222-09222	9/30/2002	Temperature Guidance, with 1 attachment
441	09223-09232	9/30/2002	Attachment 1: EPA, Discussion of Use and Criteria Presented in Table 3

Hyperlink	Bate Stamp Range	Date of Document	Description
			EMail from Shelley Spalding, FWS, to John Palmer, EPA, Subject: Bull Trout
<u>442</u>	09233-09233	9/30/2002	Peer Review, with 1 attachment
4.40		0/00/0000	Attachment 1: Bull Trout Temperature Threshold peer review summary;
<u>443</u>	09234-09247	9/30/2002	September 19, 2002
444	00040 00040	0/40/0000	EMail from Shelley Spalding, FWS, to John Palmer, EPA, Subject: Comments
<u>444</u>	09248-09249	9/16/2002	on revised temperature guidance  EMail from John Palmer, EPA, to D. Mabe, DEQ, et al., Subject: Revised
445	00250 00250	9/20/2002	Temperature Guidance, with 1 attachment
445	09250-09250	8/29/2002	Attachment 1: EPA 2nd Draft for State and Tribal Temperature Water Quality
446	09251-09280	8/29/2002	Standards; August 29, 2002
440	09251-09260	0/29/2002	EMail from Debra Sturdvant, DEQ, to John Palmer, EPA, Subject: Mulling over
447	09281-09282	8/8/2002	the Temperature Criteria Metric, with 3 attachments
441	09201-09202	0/0/2002	Attachment 1: Average Temperatures Table for two Grande Ronde Basin
448	09283-09537	8/8/2002	monitoring locations
440	09203-09337	0/0/2002	Infolitoring locations
<u>449</u>	09538-09541	8/8/2002	Attachment 2: Summary table of Temperature Data for 8 monitoring locations
<del>110</del>	09990-09941	0/0/2002	Attachment 3: Memo to John Palmer from Debra Sturdevant regarding
450	09542-09543	8/8/2002	temperature metric comments
<del>-100</del>	03342-03343	0/0/2002	EMail from Dale McCullough, to Don Essig, IDEQ, et al., Subject: Re: Mulling
451	09544-09544	8/7/2002	over the Temperature Criteria Metric, with 1 attachment
<u>101</u>	00011 00011	0/1/2002	Attachment 1: Memo to John Palmer, EPA from Dale McCullough, CRITFC
452	09545-09547	8/7/2002	regarding Mulling over the Temperature Criteria Metric
102	00010 00011	0/1/2002	EMail from John Palmer, EPA to Dave Mabe, IDEQ, et al., Subject: Major
			Decisions for Temperature Guidance/Next meeting - Aug 28th, with 1
<u>453</u>	09548-09548	8/6/2002	attachment
100	00010 00010	0,0,2002	Attachment 1: Major Decisions regarding the draft temperature guidance,
<u>454</u>	09549-09549	8/6/2002	08/05/02
<u></u>	000.000.0	5, 5, 2, 2	EMail from Jason Dunham, FS, to John Palmer, EPA, Subject: Mulling over the
455	09550-09551	8/6/2002	Metric
			EMail from Don Essig, IDEQ, to Dave Mabe, IDEQ, et al., Subject: Mulling over
<u>456</u>	09552-09554	8/6/2002	the Metric, with 1 attachment
			Attachment 1: Issues related to temperature measurement and monitoring,
<u>457</u>	09555-09575	8/6/2002	May 25, 2000
			EMail from Shelley Spalding, FWS, to John Palmer, EPA. Subject: Paragraph
<u>458</u>	09576-09576	7/29/2002	on Bull trout listing & temperature with 1 attachment
<u>459</u>	09577-09577	7/29/2002	Attachment 1: EPA Bull Trout paragraph
			EMail from Shelley Spalding, FWS, to Bull Trout Temperature Peer Review
<u>460</u>	09578-09578	7/11/2002	Panel, et al., Subject: Bull trout peer review documents, with 1 attachment
<u>461</u>	09579-09581	7/11/2002	Attachment 1: EPA's Bull Trout Recommendation, July 9, 2002
			EMail from Shelley Spalding, FWS, to Dave Mabe, IDEQ, et al., Subject:
<u>462</u>	09582-09583	7/11/2002	Literature for peer reviewers
			EMail from Shelley Spalding, FWS, to John Palmer, EPA, Subject: Bull trout
<u>463</u>	09584-09584	7/3/2002	peer review documents, with 5 attachments
			Attachment 1: Multiple Lines of Evidence for Determining Upper Optimal
			Temperature Threshold for Bull Trout; Dale McCullough, CRITFC, and Shelly
<u>464</u>	09585-09609	7/3/2002	Spalding, USFWS, June 27, 2002
			Attachment 2: Dissenting Opinion on Biological Threshold Numbers proposed
<u>465</u>	09610-09633	7/3/2002	by Regional Temperature Criteria Development Technical Workgroup

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Hyperlink	Range	Date of Document	Description
Пурсинк	Range	Document	Attachment 3: Evaluating Standards for Protecting Aquatic Life in
			Washington's Surface Water Quality Standards Temperature Criteria, June
466	09634-09701	7/3/2002	2002
467	09702-09704	7/3/2002	Attachment 4: EPA Bull Trout peer review questions, July 3, 2002
468	09705-09707	7/3/2002	Attachment 5: EPA Bull Trout Recommendation
		.,,,,,,,,,,	EMail from Shelley Spalding, FWS, to John Palmer, EPA, Subject: Letter to
<u>469</u>	09708-09708	6/20/2002	Peer Review Panel, with 1 attachment
470	09709-09711	6/20/2002	Attachment 1: Peer review letter
			EMail from Shelley Spalding, FWS, to Mark Hicks, WDOE, Subject: Phone
<u>471</u>	09712-09712	6/17/2002	record with Rick Barrows, with 1 attachment
			Attachment 1: Telephone Record with Frederic Barrows regarding Growth
			temperature studies for bull trout at the USFWS Bozeman Fish Technology
472	09713-09714	6/17/2002	Center
			EMail from Shelley Spalding, FWS, to Christopher Mebane, DEQ, et al.,
473	09715-09715	5/31/2002	Subject: Mainstem subbasin summary on water quality; Montana bull trout
413	03110-03110	3/31/2002	EMail from John Palmer, EPA, to Dave Mabe, IDEQ, et al., Subject: New
<u>474</u>	09716-09716	5/22/2002	Temperature Fact Sheet, with 1 attachment
7/4	037 10-037 10	01 LL1 L00L	Attachment 1: Fact Sheet; EPA to Issue Second Draft of Regional Water
<u>475</u>	09717-09719	5/22/2002	Temperature Guidance for Public Review, May 2002
<u> </u>	03717-03713	J/ZZ/ZUUZ	EMail from Christopher Mebane, DEQ, to Don Essig, DEQ, et al., Subject: Bull
<u>476</u>	09720-09721	5/15/2002	Trout literature, with 2 attachments
<u> </u>	03720-03721	3/13/2002	Attachment 1: Empirical Evaluation of Temperature Effects on Bull Trout
477	09722-09764	5/15/2002	Distribution in the NW Final Report, February 16, 1999
<u> </u>	03722 03704	3/13/2002	Attachment 2: The Relationship between Water Temperature and Bull Trout
<u>478</u>	09765-09858	5/15/2002	Distribution and Abundance; B. Gamet Thesis
<u>c</u>	00700 00000	0/10/2002	EMail from John Palmer, EPA, to Shelley Spalding, FWS, Subject: New
479	09859-09861	5/14/2002	"Straw" Species Life Stage Criteria and Application, with 1 attachment.
110	00000 00001	0/11/2002	Attachment 1: Species Life Stage Criteria & Application Straw Option; Draft, for
<u>480</u>	09862-09863	5/14/2002	discussion purposes only, May 8, 2002
<u></u>		0,11,2002	anouse on parposes only, may o, 2002
			EMail from Shelley Spalding, FWS, to Dru Keenan, EPA, Subject: Questions for
481	09864-09866	5/13/2002	5/21/02 meeting, Attachment listed above in 5/14/2002 email message
			EMail from Dale McCullough, to Jason Dunham, FS et al., Subject: Bull trout re-
482	09867-09867	5/10/2002	review for EPA, with 1 attachment
			Attachment 1: Review of Rationales for Setting Temperature Criteria, Dale
483	09868-09903	5/10/2002	McCullough, May 10, 2002
			EMail from Shelley Spalding, FWS, to Dru Keenan, EPA, Subject: Bull Trout
<u>484</u>	09904-09905	5/9/2002	Panel of Experts
			EMail from John Palmer, EPA, to Dru Keenan, EPA, et al., Subject: Bull Trout
<u>485</u>	09906-09906	5/9/2002	Discussion
			EMail from Shelley Spalding, FWS, to John Palmer, EPA, Subject: New "Straw"
			Species Life Stage Criteria and Application, Attachment listed above in
<u>486</u>	09907-09907	5/8/2002	5/14/2002 email message
			EMail from Stephen Zylstra, FWS, to John Palmer, EPA, Subject: FWS
<u>487</u>	09908-09910	5/1/2002	Comments on new proposed guidance
			EMail from Dru Keenan, EPA to Cathy Tortorici, NOAA, et al., Subject: The
<u>488</u>	09911-09911	4/17/2002	Story Behind the Record Runs of Salmon, with 1 attachment
			Attachment 1: Derek Poon PH D.; Recent record salmon runs, are we out of
<u>489</u>	09912-09919	4/17/2002	the woods; April 12, 2002 working draft
			EMail from Dale McCullough, to Christopher Mebane, DEQ, et al., Subject:
<u>490</u>	09920-09920	4/2/2002	Weber heat shock paper, with 1 attachment

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пуреннік	Kanye	Document	Attachment 1: Final report to the National Council of the paper industry for air
491	09921-09931	4/2/2002	and stream improvement
<u>491</u>	09921-09931	4/2/2002	EMail from Dale McCullough, to Christopher Mebance, DEQ, et al., Subject:
492	09932-09932	3/27/2002	Bull trouttemp./ration/size/growth, with 1 attachment
492	09932-09932	3/21/2002	Attachment 1: Notes on bull trout growth v. temperature at various ration levels
402	00022 00044	2/27/2002	
<u>493</u>	09933-09944	3/27/2002	Dale McCullough; 3/26/2002  EMail from Shelley Spalding, FWS, to Susan Martin, FWS, et al., Subject: Bull
404	00045 00045	4/7/2002	
<u>494</u>	09945-09945	1/7/2002	trout temperature thresholds, with 1 attachment  Attachment 1: Draft Charr Guild "Species Life Stage" Recommended
40E	00046 00055	4/7/2002	
<u>495</u>	09946-09955	1/7/2002	Thresholds, 1/7/02
400	00050 00050	44/45/0004	EMail from Debra Sturdevant, DEQ to Jason Dunham, FS, et al., Subject: New
<u>496</u>	09956-09956	11/15/2001	paper on bull trout, with 1 attachment
			Attachment 1: Effect of Temperature on Growth and Survival of Bull Trout with
40-		4.4.4.5.1000.4	Application of an Improved Method for Determining Thermal Tolerance in
<u>497</u>	09957-09968	11/15/2001	Fishes
			EMail from Jason Dunham, FS, to Debra Sturdevant, DEQ, Subject: New paper
			on bull trout, with 1 attachment - 2nd attachment is listed above on
<u>498</u>	09969-09970	11/15/2001	11/15/2001 email message
<u>499</u>	09971-09971	11/15/2001	Attachment 1: Predicted probability of occurrence small juvenile Bull trout
			EMail from Dru Keenan, EPA, to Pat Larson, Oregon Cattleman Association,
			Subject: EPA appendix included as part of the temperature criteria project, wit
<u>500</u>	09972-09974	11/6/2001	1 attachment
			Attachment 1: Letter from EPA to Pat Larson, Oregon Cattleman Association
			re- the Appendix to the spatio-temporal technical summary prepared for the
<u>501</u>	09975-09977	11/6/2001	development of the Regional Temperature Criteria Guidance
			EMail from Geoffrey Poole, Cornell.edu, to Dru Keenan, EPA, et al., Subject:
<u>502</u>	09978-09979	10/31/2001	Case Study Watersheds, with 1 attachment
<u>503</u>	09980-09980	10/31/2001	Attachment 1: Umatilla and Chiwawa River Watersheds
			EMail from John Palmer, EPA, to Cathy Tortorici, NOAA, et al., Subject:
<u>504</u>	09981-09981	10/29/2001	Temperature public notice/fact sheet, with 1 attachment
<u>505</u>	09982-09985	10/29/2001	Attachment 1: EPA Issues Draft Temperature Guidance
			EMail from John Palmer, EPA. to Cathy Tortorici, NOAA, et al., Subject:
<u>506</u>	09986-09986	10/23/2001	Resend of Temperature Guidance Appendix A & B, with 2 attachments
			Attachment 1: Appendix A, Recommend EPA Temperature Thresholds for us
<u>507</u>	09987-09992	10/23/2001	in Establishing Thermal Potential and Species Life State Numeric Criteria
			Attachment 2: Appendix B, Recommended Process to Establish Thermal
508	09993-10007	10/23/2001	Potential Numeric Criteria for Temperature Based on Multiple Lines Evidence
			EMail from John Palmer, EPA, to Cathy Tortorici, NOAA, et al., Subject:
509	10008-10008	10/18/2001	Proposed Temperature Guidance, with 1 attachment
000	10000 10000	10/10/2001	Attachment 1: Proposed EPA Region 10 Guidance for State and Tribal
510	10009-10020	10/18/2001	Temperature Water Quality Standards, Public Review Proposal 10/18/01
<u> </u>	10003 10020	10/10/2001	EMail from John Palmer, EPA, to Cathy Tortorici, NOAA. et al., Subject: FWS
511	10021-10021	10/9/2001	comments on draft temperature guidance, with 1 attachment
	10021-10021	10/9/2001	Attachment 1: FWS comments to draft temperature guidance
<u>512</u>	10022-10034	10/9/2001	
E40	40005 40005	40/0/0004	EMail from John Palmer, EPA, to Cathy Tortorici, NOAA, et al., Subject:
<u>513</u>	10035-10035	10/9/2001	Temperature Guidance Transmittal Letter & Issues, with 1 attachment
	10000 1000	40/0/222	Attachment 1: Transmittal Letter for public review of draft EPA Region 10
<u>514</u>	10036-10036	10/9/2001	Guidance for State and Tribal Temperature Water Quality Standards
			EMail from John Palmer, EPA, to Cathy Tortorici, NOAA, et al., Subject: 3rd
<u>515</u>	10037-10037	9/27/2001	Draft of EPA R10 Proposed Temperature Guidance, with 1 attachment

HyperlinkRangeDocumentDescription51610038-100489/27/2001Attachment 1: EPA Region 10 Guidance for State and Tribal Temperature Water Quality Standards; 3rd Draft 9/27/0151710049-100498/10/2001EMail from Geoffrey Poole, Cornell Edu, to Dru Keenan, EPA, et al., Subject: Final Synthesis, with 1 attachment51810050-100738/10/2001Attachment 1: Technical Synthesis, Scientific Issues relating to temperature criteria for Salmon, Trout, and Char native to the Pacific NW, August 1, 200151910074-100748/10/2001EMail from Geoffrey Poole, Cornell Edu, to Dru Keenan, EPA, et al., Subject: Response to Oregon Forest Industries Council/Washington Forest Protection52010075-100798/10/2001Association with 1 attachment52110080-100808/2/2001Forest Protection Association comments52110081-100858/2/2001Salmonids				February 24, 2004
Attachment 1: EPA Region 10 Guidance for State and Tribal Temperature Water Quality Standards; 3rd Draft 9/27/01		Bate Stamp	Date of	
10038-10048   9/27/2001   Water Quality Standards; 3rd Draft 9/27/01	Hyperlink	Range	Document	
S17	E40	40000 40040	0/27/2004	
10049-10049	<u>516</u>	10038-10048	9/27/2001	
Attachment 1: Technical Synthesis, Scientific Issues relating to temperature criteria for Salmon, Trout, and Char native to the Pacific NW, August 1, 2001	E17	10040 10040	9/10/2001	
518   10050-10073   8/10/2001   criteria for Salmon, Trout, and Char native to the Pacific NW, August 1, 2001	<u>517</u>	10049-10049	0/10/2001	
EMail from Geoffrey Poole, Cornell Edu, to Dru Keenan, EPA, et al., Subject: Response to Orgon Forest Industries Council/Washington Forest Protection Association with 1 attachment   1. Response to Orgon Forest Industries Council/Washington Forest Protection Association with 1 attachment     1. Response to Orgon Forest Industries Council/Washington Forest Protection Association comments     1. Response to Orgon Forest Industries Council/Washington Forest Protection Association comments     1. Response to Orgon Forest Industries Council/Washington Forest Protection Association comments     1. Response to Orgon Forest Industries Council/Washington Forest Protection Association comments     1. Response to Orgon Forest Industries Council/Washington Forest Protection State Protection Council/Washington Forest Protection State Protection Council/Washington Forest Protection Forest Prote	E40	10050 10072	0/40/2004	
Response to Oregon Forest Industries Council/Washington Forest Protection	310	10030-10073	0/10/2001	
10074-10074				
Attachment 1: Response to Oregon Forest Industries Council/Washington Forest Protection Association comments	519	10074-10074	8/10/2001	
10075-10079	<u> </u>	10074 10074	0/10/2001	
Email from Sally T Sauter, USGS, to Dru Keenan, EPA, et al., Subject: Smothificationfrom Wally Zaugg, with 1 attachment 1: Effect of Temperature on Parr-Smoth Transformation in Pacific Salmonids	520	10075-10079	8/10/2001	
10080-10080   8/2/2001   Smoltificationfrom Wally Zaugg, with 1 attachment	<u>020</u>	10070 10070	07 : 07 = 00 :	
Attachment 1: Effect of Temperature on Parr-Smolt Transformation in Pacific Salmonids	521	10080-10080	8/2/2001	
Salmonids				
10086-10086	<u>522</u>	10081-10085	8/2/2001	
Attachment 1: Models to predict suitable habitat for juvenile bull trout in Washington state, Final Report, July 15, 2001				EMail from Jason B Dunham, FS to Munthank, FS, et al., Subject: Bull trout and
S24	<u>523</u>	10086-10086	7/12/2001	
Email from Jeffrey Lockwood, NOAA, to Dru Keenan, EPA, Subject: NMFS' Views on fish distribution, with 1 attachment 1: Consideration of Accessible, Inaccessible, Unoccupied and Historic Habitat in NMFS Designation of Critical Habitat EMail from Dru Keenan, EPA to Dru Keenan, EPA, et al., Subject: Names of National Historic Habitat in NMFS Designation of Critical Habitat EMail from Dru Keenan, EPA to Dru Keenan, EPA, et al., Subject: Names of National Park (Criteria 2014) Attachment 1: Peer Review Panel; 02-13-01 Subject: Names of National Park (Criteria 2014) Attachment 2: Peer Review Panel; 02-13-01 EMail from John Palmer, EPA to Cathy Tortorici, NOAA, et al., Subject: Final Updated Fact Sheet, with 1 attachment 1: EPA February 2001, Update; Pacific NW Water Quality Temperature Criteria Guidance EMail from Dale McCullough, Columbia River Inter-Tribe, to Christopher Mebane, DEQ, et al., Subject: 2 new publications EMail from Sherri Johnson to Elizabeth Materna, FWS, Subject: RE: EPA temperature project peer review, with 1 attachment 2: EMail from Christopher Mebane, DEQ, to Debra Sturdevant, DEQ, et al., Subject: Stream Temperature Report, with 2 attachment 3: Stream Temperature Report, with 2 attachment 3: Stream Temperature Report, with 2 attachment 3: Dear Review Panel; 02-13-01 EMail from Christopher Mebane, DEQ, to Debra Sturdevant, DEQ, et al., Subject: Stream Temperature Regional Assessment of Stream Temperature Project Documents    Solidation				
S25	<u>524</u>	10087-10161	7/12/2001	Washington state, Final Report, July 15, 2001
Attachment 1: Consideration of Accessible, Inaccessible, Unoccupied and Historic Habitat in NMFS Designation of Critical Habitat  EMail from Dru Keenan, EPA to Dru Keenan, EPA, et al., Subject: Names of new Peer Reviewers, with 3 attachments  Attachment 1: Peer Review Panel for EPA Region 10 Stream Temperature Criteria  10169-10170 3/13/2001 Attachment 2: Peer Review Panel; 02-13-01  528 10171-10171 3/13/2001 Attachment 3: Peer Review Panel; 02-13-01  EMail from John Palmer, EPA to Cathy Tortorici, NOAA, et al., Subject: Final Updated Fact Sheet, with 1 attachment  10173-10173 2/15/2001 EMail from Dale McCullough, Columbia River Inter-Tribe, to Christopher Mebane, DEQ, et al., Subject: 2 new publications  EMail from Sherri Johnson to Elizabeth Materna, FWS, Subject: RE: EPA temperature Bright from Sherri Johnson to Elizabeth Materna, FWS, Subject: RE: EPA temperature Englisor party and Sturdevant, DEQ, et al., Subject: Stream Temperature Report, with 1 attachment  533 10176-10186 7/5/2000 Attachment 1: Stream Temperature Belog, to Debra Sturdevant, DEQ, et al., Subject: Stream Temperature Report, with 2 attachments  EMail from Christopher Mebane, DEQ, to Debra Sturdevant, DEQ, et al., Subject: Stream Temperature Report, with 2 attachments  10187-10202 7/5/2000 Subject: Stream Temperature Report, with 2 attachments  10294-10223 7/5/2000 Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000  Temperature Project Documents  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Wa				
S26	<u>525</u>	10162-10163	6/6/2001	
EMail from Dru Keenan, EPA to Dru Keenan, EPA, et al., Subject: Names of new Peer Reviewers, with 3 attachments				
10168-10168   3/13/2001   new Peer Reviewers, with 3 attachments	<u>526</u>	10164-10167	6/6/2001	
Attachment 1: Peer Review Panel for EPA Region 10 Stream Temperature Criteria	507	40400 40400	0/40/0004	
528         10169-10170         3/13/2001         Criteria           529         10171-10171         3/13/2001         Attachment 2: Peer Review Panel; 02-13-01           530         10172-10172         3/13/2001         Attachment 3: Peer Review Panel; 02-13-01           531         10173-10173         2/15/2001         EMail from John Palmer, EPA to Cathy Tortorici, NOAA, et al., Subject: Final Updated Fact Sheet, with 1 attachment           532         10174-10175         2/15/2001         Attachment 1: EPA February 2001, Update; Pacific NW Water Quality Temperature Criteria Guidance           533         10176-10176         1/5/2001         Mebane, DEQ, et al., Subject: 2 new publications           EMail from Dale McCullough, Columbia River Inter-Tribe, to Christopher Mebane, DEQ, et al., Subject: 2 new publications         EMail from Sherri Johnson to Elizabeth Materna, FWS, Subject: RE: EPA temperature project peer review, with 1 attachment           534         10177-10177         9/22/2000         Attachment 1: Stream Temperature Bibliography           535         10178-10186         7/5/2000         Attachment 1: Stream Temperature Report, with 2 attachments           536         10186-10186         7/5/2000         Attachment 2: Draft Science Project, Regional Assessment of Stream Temperatures across Northern California and their Relationship to various Landscape-Level and Site-Specific Attributes           537         10187-10202         7/5/2000	<u>527</u>	10168-10168	3/13/2001	
10171-10171   3/13/2001   Attachment 2: Peer Review Panel; 02-13-01	529	10160 10170	3/13/2001	
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10173-10173   2/15/2001   Updated Fact Sheet, with 1 attachment	<u> </u>	10112 10112	0/ : 0/200 :	
Attachment 1: EPA February 2001, Update; Pacific NW Water Quality Temperature Criteria Guidance  EMail from Dale McCullough, Columbia River Inter-Tribe, to Christopher Mebane, DEQ, et al., Subject: 2 new publications  EMail from Sherri Johnson to Elizabeth Materna, FWS, Subject: RE: EPA temperature project peer review, with 1 attachment  535 10178-10185 9/22/2000 Attachment 1: Stream Temperature Bibliography  EMail from Christopher Mebane, DEQ, to Debra Sturdevant, DEQ, et al., Subject: Stream Temperature Report, with 2 attachments  Attachment 1: Forest Science Project, Regional Assessment of Stream Temperatures across Northern California and their Relationship to various Landscape-Level and Site-Specific Attributes  Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000  Temperature Project Documents  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Bull Trout Temperature Criteria Peer Review Panel	531	10173-10173	2/15/2001	
10174-10175   2/15/2001   Temperature Criteria Guidance   EMail from Dale McCullough, Columbia River Inter-Tribe, to Christopher Mebane, DEQ, et al., Subject: 2 new publications   EMail from Sherri Johnson to Elizabeth Materna, FWS, Subject: RE: EPA temperature project peer review, with 1 attachment   2534   10177-10177   9/22/2000   Attachment 1: Stream Temperature Bibliography   EMail from Christopher Mebane, DEQ, to Debra Sturdevant, DEQ, et al., Subject: Stream Temperature Report, with 2 attachments   Attachment 1: Forest Science Project, Regional Assessment of Stream Temperatures across Northern California and their Relationship to various Landscape-Level and Site-Specific Attributes   Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000   Monitoring, May 25, 2000   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards   Draft EPA Region 10 Guidance for Pac				
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EMail from Sherri Johnson to Elizabeth Materna, FWS, Subject: RE: EPA temperature project peer review, with 1 attachment  535 10178-10185 9/22/2000 Attachment 1: Stream Temperature Bibliography  EMail from Christopher Mebane, DEQ, to Debra Sturdevant, DEQ, et al., Subject: Stream Temperature Report, with 2 attachments  Attachment 1: Forest Science Project, Regional Assessment of Stream Temperatures across Northern California and their Relationship to various Landscape-Level and Site-Specific Attributes  Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000  Temperature Project Documents  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Project Decuments				EMail from Dale McCullough, Columbia River Inter-Tribe, to Christopher
53410177-101779/22/2000temperature project peer review, with 1 attachment53510178-101859/22/2000Attachment 1: Stream Temperature Bibliography53610186-101867/5/2000EMail from Christopher Mebane, DEQ, to Debra Sturdevant, DEQ, et al., Subject: Stream Temperature Report, with 2 attachments53710187-102027/5/2000Attachment 1: Forest Science Project, Regional Assessment of Stream Temperatures across Northern California and their Relationship to various Landscape-Level and Site-Specific Attributes53810203-102237/5/2000Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000Temperature Project DocumentsDraft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards54010273-103182/14/2003Water Quality Standards54110319-103289/11/2002Bull Trout Temperature Criteria Peer Review Panel	<u>533</u>	10176-10176	1/5/2001	
Side   10178-10185   9/22/2000   Attachment 1: Stream Temperature Bibliography				
EMail from Christopher Mebane, DEQ, to Debra Sturdevant, DEQ, et al., Subject: Stream Temperature Report, with 2 attachments  Attachment 1: Forest Science Project, Regional Assessment of Stream Temperatures across Northern California and their Relationship to various Landscape-Level and Site-Specific Attributes  Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000  Temperature Project Documents  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  Supplementation of Stream  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  Supplementation of Stream  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  Supplementation of Stream  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  Supplementation of Stream  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  Supplementation of Stream  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  Supplementation of Stream  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  Supplementation of Stream  Draft EPA Region 10	<u>534</u>	10177-10177	9/22/2000	temperature project peer review, with 1 attachment
53610186-101867/5/2000Subject: Stream Temperature Report, with 2 attachmentsAttachment 1: Forest Science Project, Regional Assessment of Stream Temperatures across Northern California and their Relationship to various53710187-102027/5/2000Landscape-Level and Site-Specific Attributes53810203-102237/5/2000Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000Temperature Project DocumentsDraft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards53910224-102723/11/2003Water Quality Standards54010273-103182/14/2003Water Quality Standards54110319-103289/11/2002Bull Trout Temperature Criteria Peer Review Panel	<u>535</u>	10178-10185	9/22/2000	1 0 1 7
Attachment 1: Forest Science Project, Regional Assessment of Stream Temperatures across Northern California and their Relationship to various Landscape-Level and Site-Specific Attributes  Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000  Temperature Project Documents  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Substituting Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Substituting Pacific NW State and Tribal Temperature Water Quality Standards  Substituting Pacific NW State and Tribal Temperature Water Quality Standards  Substituting Pacific NW State and Tribal Temperature Water Quality Standards  Substituting Pacific NW State and Tribal Temperature Water Quality Standards  Substituting Pacific NW State and Tribal Temperature Water Quality Standards	500	10100 10100	7/5/0000	
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53710187-102027/5/2000Landscape-Level and Site-Specific Attributes53810203-102237/5/2000Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000Temperature Project DocumentsDraft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature53910224-102723/11/2003Water Quality Standards54010273-103182/14/2003Water Quality Standards54110319-103289/11/2002Bull Trout Temperature Criteria Peer Review Panel				
Attachment 2: Draft Issues related to Temperature Measurement and Monitoring, May 25, 2000  Temperature Project Documents  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards  Substituting Standards  Mater Quality Standards  Bull Trout Temperature Criteria Peer Review Panel	507	10107 10000	7/5/2000	
53810203-102237/5/2000Monitoring, May 25, 2000Temperature Project Documents53910224-102723/11/2003Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature54010273-103182/14/2003Water Quality Standards54110319-103289/11/2002Bull Trout Temperature Criteria Peer Review Panel	<u> 531</u>	10107-10202	7/3/2000	
Temperature Project Documents  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  539 10224-10272 3/11/2003 Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  540 10273-10318 2/14/2003 Water Quality Standards  541 10319-10328 9/11/2002 Bull Trout Temperature Criteria Peer Review Panel	538	10203-10222	7/5/2000	
Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  539 10224-10272 3/11/2003 Water Quality Standards  Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature  540 10273-10318 2/14/2003 Water Quality Standards  541 10319-10328 9/11/2002 Bull Trout Temperature Criteria Peer Review Panel				INIOTHIOTHIS, INIAY 20, 2000
539         10224-10272         3/11/2003         Water Quality Standards           540         10273-10318         2/14/2003         Water Quality Standards           541         10319-10328         9/11/2002         Bull Trout Temperature Criteria Peer Review Panel	Tomperatu	io i roject bocar	iioiito	Draft EPA Region 10 Guidance for Pacific NW State and Tribal Temperature
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540         10273-10318         2/14/2003         Water Quality Standards           541         10319-10328         9/11/2002         Bull Trout Temperature Criteria Peer Review Panel			2. 1 2000	
541 10319-10328 9/11/2002 Bull Trout Temperature Criteria Peer Review Panel	<u>5</u> 40	10273-10318	2/14/2003	

	Bate Stamp	Date of	
Hyperlink	•	Document	Description
пуренни	Kange	Document	2nd Draft EPA Region 10 Guidance for Pacific NW State and Tribal
543	10332-10369	10/10/2002	Temperature Water Quality Standards
<u>545</u>	10332-10309	10/10/2002	2nd public review Draft EPA Region 10 for State and Tribal Temperature Water
544	10370-10399	8/29/2002	Quality Standards
<del>544</del>	10370-10399	0/29/2002	2nd Draft EPA Region 10 Guidance for State and Tribal Temperature Water
E 1 E	10400-10423	6/18/2002	Quality Standards
<u>545</u> 546	10400-10423	6/13/2001	Bull Trout Locations by Stream Reach in Oregon
<u>546</u>	10424-10424	6/13/2001	Draft EPA Region 10 Guidance for State and Tribal Temperature Water Quality
E 47	10405 10450	Oct-01	Standards
<u>547</u> 548	10425-10459 10460-10460	6/27/2000	Handwritten Notes, unknown author
		No Date	Oregon Temperature Criterion for T & E Species
<u>549</u>	10461-10469	No Date	
<u>550</u> 551	10470-10476 10477-10477	No Date	Figure 1- Growth of bull trout in relation to temperature at full ration Anticipated Workload
Second Su	ppiementai Aun	imistrative Rec	ord, dated April 22, 2009  EMail from Jeff Kopf, EPA, to Elizabeth Materna, FWS, et al., Subject: FWS
EEO	10478-10482	2/23/2004	Revised Incidental Take Statement (ITS), with 1 attachment
<u>552</u>	10476-10462	2/23/2004	Revised incidental rake Statement (113), with ratidonnent
<u>553</u>	10483-10484	2/23/2004	Attachment: Effect of the Take
			Draft of Section of Overview of Water Quality Standards from Biological
<u>554</u>	10485-10500	12/12/2003	Evaluation
<u>555</u>	10501-10541	12/11/2003	Draft of Section 5.0 Analysis of Effects, of the Biological Evaluation
<u>556</u>	10542-10558	11/28/2003	Proposed Action Section
			Email from MaryLou Soscia, EPA, to Elizabeth Materna, FWS, Subject:
			Preliminary Draft List - Clarifications/Interpretations in DEQ Rule
<u>557</u>	10559-10559	11/25/2003	Attachment withheld: Deliberative
			Email from Jeff Lockwood, NOAA, to Robert Anderson, NOAA, et al., Subject:
			Preliminary Draft List - Clarifications in DEQ Rule
<u>558</u>	10560-10560	11/20/2003	Attachment withheld: Deliberative
			Email from Dru Keenan, EPA, to Elizabeth Materna, FWS, et al., Subject: Notes
			from 11.17. call with FWS, NOAA and EPA
<u>559</u>	10561-10561	11/18/2003	Attachment withheld: Deliberative
			Email from Dru Keenan, EPA, to Steve Ellis, Tetra Tech, et al., Subject: Notes
			for Conference Call on Biological Assessment for OR Proposed Rule
<u>560</u>	10562-10562	10/21/2003	Attachment withheld: Deliberative

	Bate Stamp	Date of	
Hyperlink	Range	Document	Description
- / I			Email from Dru Keenan, EPA, to Steve Ellis, Tetra Tech, et al., Subject:
			Comments on 10/6/03 draft Biological Assessment
<u>561</u>	10563-10563	10/17/2003	2 Attachments withheld: Deliberative
			Email from Steve Ellis, Tetra Tech, to Robert Anderson, NOAA, et al., Subject:
<u>562</u>	10564-10564	10/7/2003	Final Draft Biological Assessment, with 1 attachment
<u>563</u>	10565-10709	10/7/2003	Attachment: Draft Biological Assessment
			Email from Jeff Lockwood, NOAA, to Steve Ellis, Tetra Tech, et al., Subject:
		-//	Comments on 9-2-03 Draft Biological Assessment, with 1 attachment;
<u>564</u>	10710-10710	9/18/2003	1 Attachment withheld: Deliberative
<u>565</u>	10711-10854	9/18/2003	Attachment: Comments on 9/2/2003 Draft Biological Assessment
500	40055 40050	0/40/0000	Email from Bob Stuart, Tetra Tech, to Marylou Soscia, EPA, et al., Subject:
<u>566</u>	10855-10856	8/18/2003	Draft Effects Analysis for Chinook Salmon, with 1 attachment
<u>567</u>	10857-10872	8/18/2003	Attachment: Analysis of Effects in BO Faxed draft letter from NMFS to John Iani EPA Comments on final guidance.
<u>568</u>	10873-10877	4/11/2003	Internal US government agencies
<u> 300</u>	10073-10077	4/11/2003	EMail from Susan Burch, FWS, to Jim Muck, FWS, Subject: Final input to EPA
<u>569</u>	10878-10882	2/21/2003	on bull trout rearing number
<u> </u>	10070-10002	2/2 1/2003	Email from John Palmer EPA to Stephen Zylstra FWS, Subject: Bull trout
570	10883-10885	2/18/2003	Rearing
<u>570</u>	10000 10000	2/10/2000	Email from Stephen Zylstra, FWS, to Ken Berg, FWS et al., Subject: Final Draft
			of EPA Regional Temperature Criteria Guidance, Attachment Previously
571	10886-10886	2/18/2003	Released
<u> </u>	.0000 .0000		EMail from Stephen Zylstra, FWS, to John Palmer, EPA, Subject: Juvenile Bull
<u>572</u>	10887-10887	2/13/2003	Trout Rearing Criteria
			EMail from Don Steffeck, FWS, to John Palmer, EPA, Subject: FWS comments
<u>573</u>	10888-10888	12/13/2002	on regional temperature guidelines, with 1 attachment
574	10889-10893	12/13/2002	Attachment: EPA temperature criteria for bull trout
<u> 374</u>	10009-10093	12/13/2002	Attachment. Li A temperature chteria for buil trout
			EMail from Stephen Zylstra, FWS, to Don Steffeck, FWS, Subject: Regional
<u>575</u>	10894-10894	11/18/2002	Temperature Criteria Guidance comments, <b>Attachment released</b>
<u>575</u>	10004 10004	11/10/2002	EMail from Stephen Zylstra, FWS, to Ken Berg, FWS, et al., Subject: 2nd Draft
			of EPA's Regional Temperature Criteria Guidance, 2 Attachments Previously
576	10895-10896	10/16/2002	Released ; 1 Attachment withheld: Deliberative
			EMail from Stephen Zylstra, FWS, to Elizabeth Materna, FWS, et al., Subject:
			Regional Temperature Criteria Briefing Statement
<u>577</u>	10897-10897	12/27/2001	Attachment withheld: Deliberative
			EMail from Stephen Zylstra, FWS, to Cynthia Barry, FWS, et al., Subject:
<u>578</u>	10898-10898	12/21/2001	Regional Temperature Criteria Guidance, Attachment Previously Released
	11,11,1000	,	Email from Sarah Hall, FWS to Stephen Zylstra, FWS, Subject: Recovery
<u>579</u>	10899-10899	3/30/2000	question
580	10900-10904	No Date	Draft letter from FWS to EPA commenting on a 10/2/2002 guidance
Final Supp	lemental Added	Records, dated	November 9, 2009
			EMail from Shelley Spalding, FWS, to Elizabeth Materna, FWS, et al., Subject:
<u>581</u>	10905-10908	2/12/2003	Let's Discuss; issues related to bull trout criteria
582	10909-10910	11/18/2002	November 2002 FWS comments
	11,20.00.0		Draft letter to EPA regarding comments on the proposed EPA Region 10
			Guidance for State and Tri Biological Assessment Temperature Water Quality
<u>583</u>	10911-10913	11/18/2002	Standards
			Draft joint letter from NMFS and USFWS to Randy Smith, EPA, Comments on
<u>584</u>	10914-10921	1/16/2002	the 10/31/2001 public review draft guidance

	Attachment 1. Log of Excluded Documents			
NWEA	Date of			
Doc #	Document	Description		
	Biological Op			
		Email from John Palmer, EPA, to Robert Anderson, NOAA, et al., Subject: Conservation		
7	1/22/2004	Measures Intro Language; 1 pg Reason Withheld: Deliberative/Attorney-client		
- /	1/22/2004	Email from John Palmer, EPA, to Cathy Tortorici, NOAA, et al., Subject: Revised		
		conservation measure #1; 1 pg		
8	1/22/2004	Reason Withheld: Deliberative		
	.,,_,	Email from Jeff Lockwood, NOAA, to John Palmer, EPA, et al., Subject: Biological		
		Evaluation - What to expect, 2 pgs		
9	12/29/2003	Reason Withheld: Deliberative		
		Email from Jeff Lockwood, NOAA, to Dru Keenan, EPA, et al., Subject: Dec. 17 NOAA re-		
		draft of EPA measures, with 1 attachment, 1 pg		
10	12/17/2003	Reason Withheld: Deliberative/Attorney-client		
		A		
		Attachment 1: Dec. 16, 2003 Re-draft of Conservation Measures by Jeff Lockwood, 2 pgs		
11	12/17/2003	Reason Withheld: Deliberative		
		Email from Jeff Lockwood, NOAA, to Marylou Soscia, EPA, et al., Subject: Possible Conservation Measures, 3 pgs		
14	12/5/2003	Reason Withheld: Deliberative		
14	12/3/2003	Reason withheid: Deliberative		
		Email from Dru Keenan, EPA to Keith Cohon, EPA, et al., Subject: Very Draft Biological		
		Evaluations for the OR Package, with 1 attachment, 1 attachment released, 1 pg		
15	12/3/2003	Reason Withheld: Deliberative		
	10/0/0000	Attachment 1: Section 5.0 Analysis of Effects 11/26/03, 65 pgs		
16	12/3/2003	Reason Withheld: Deliberative Provisions in Proposed Oregon DEQ water Quality Criteria Needing Clarification or		
		Interpretation, Transmittal email was released, 3 pgs		
19	11/25/2003	Reason Withheld: Deliberative		
10	11/20/2000	Provisions in Proposed Oregon DEQ water Quality Criteria Needing Clarification or		
		Interpretation, Transmittal email was released, 2 pgs		
21	11/20/2003	Reason Withheld: Deliberative		
		Conference call notes, Transmittal email was released, 2 pgs		
23	11/17/2003	Reason Withheld: Deliberative		
		Email from Jeff Lockwood, NOAA, to Dru Keenan, EPA, et al., Subject: potential		
		consultation issues with 1 attachment, 1 pg		
24	11/14/2003	Reason Withheld: Deliberative		
		Attachment 1: Potential Endangered Species Act and Magnuson-Stevens Act (MSA)		
25	11/14/2003	Consultation Issues, 2 pgs		
25	11/14/2003	Reason Withheld: Deliberative  Email from Robert Anderson, NOAA, to Jeff Lockwood, NOAA, et al., Subject: Snake River		
		Spawning Criterion, 1 pg		
26	10/29/2003	Reason Withheld: Deliberative		
	10,20,200	Notes from EPA Rule Biological Assessment conference Call on Oct 20, 2003, Transmittal		
		email was released, 2 pgs		
28	10/21/2003	Reason Withheld: Deliberative		
		EPA Region 10 and Headquarters Comments on 10.6.03 Version of Final Draft Biological		
		Assessment, Transmittal email was released, 2 pgs		
30	10/17/2003	Reason Withheld: Deliberative		
		NOAA's comments on final draft Biological Assessment, Transmittal email was released, 2		
		pgs		
31	10/17/2003	Reason Withheld: Deliberative		

	Attachment 1. Log of Excluded Documents			
NWEA	Date of			
Doc #	Document	Description		
		Comments from Elizabeth Materna, FWS, on 10/6/03 Final Draft Biological Assessment,		
20	40/47/0000	Transmittal email was released, 3 pgs Reason Withheld: Deliberative		
32	10/17/2003	Comments on 9-2-03 EPA draft biological evaluation by Robert Anderson and Jeff		
		Lockwood, Transmittal email was released, 1 pg		
37	9/18/2003	Reason Withheld: Deliberative		
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Email from Dru Keenan, EPA, to Bob Stuart, Tetra Tech, et al., Subject: Draft Effects		
		Analysis for Chinook Salmon, Attachment not pertinent to email message; 2 pgs		
38	8/19/2003	Reason Withheld: Deliberative		
		NOAA Briefing Oregon Water Quality Standards Promulgation Update, 2 pgs		
41	8/6/2003	Reason Withheld: Deliberative		
		NOAA comments on Aug 6, Where & When Conference Call, 2 pgs		
42	7/30/2003	Reason Withheld: Deliberative		
43	<b>Temperature</b>	Criteria Guidance Project		
		Faxed draft letter from FWS to John Iani, EPA on Comments on the final guidance (4/03)		
		with handwritten comments from FWS Regional Office staff; 5 pgs		
44	4/21/2003	Reason Withheld: Deliberative		
		Briefing statement, EPA finalizing guidance, prepared for the Secretary from Gary Fraser,		
		Asst. Dir. FWS, prepared by Stephen Zylstra, FWS; 2 pgs		
46	Apr-03	Reason Withheld: Deliberative		
		Email from Stephen Zylstra, FWS transmitting draft letter to FWS Program Leaders and		
47	0/04/0000	staff, Includes handwritten notes; 1 pg		
47	3/24/2003	Reason Withheld: Deliberative		
		EMail from Stephen Zylstra, FWS, to Wendi Weber, FWS, et al., Subject: EPA Regional		
48	3/24/2003	Temperature guidance, Attachment withheld above with 03/07/2003 email message; 1 pg Reason Withheld: Deliberative		
40	3/24/2003	Briefing for FWS Deputy Regional Director prepared by Stephen Zylstra, FWS. Subject		
		EPA temperature guidance; 7 pgs		
49	3/12/2003	Reason Withheld: Deliberative		
		Notes prepared by Stephen Zylstra, FWS, for briefing with Deputy Regional Director, FWS;		
		1 pg		
50	3/12/2003	Reason Withheld: Deliberative		
		EMail from Shelley Spalding, FWS, to Stephen Zylstra, FWS, Subject: Assurance letter for		
	- /- /	EPA Regional Temperature Criteria Guidance, with 1 attachment; 1 pg		
51	3/7/2003	Reason Withheld: Deliberative		
		Attachment 1: Draft letter to EPA regarding comments on the proposed EPA Region 10		
		Guidance for State and Tri Biological Assessment Temperature Water Quality Standards		
52	3/7/2003	(April 2003); 2 pgs Reason Withheld: Deliberative		
32	3/1/2003			
		EMail from Stephen Zylstra, FWS, to Jim Muck, FWS, et al., Subject: EPA Regional Temperature Criteria Deputy Regional Director briefing; 3 pgs		
53	3/4/2003	Reason Withheld: Deliberative		
	5, 1,2000	Question and Answer, States/Tribes will define these terms; 1 pg		
54	2/25/2003	Reason Withheld: Deliberative		
		EMail from John Al Young, FWS, to Stephen Zylstra, FWS, Subject: Final input to EPA on		
		Bull trout rearing number; 4 pgs		
56	2/19/2003	Reason Withheld: Deliberative		
		EMail from Stephen Zylstra, FWS, to Shelley Spalding, FWS et al., Subject: Let's Discuss;		
		issues related to bull trout criteria; 4 pgs		
60	2/12/2003	Reason Withheld: Deliberative		

	Attachment 1. Log of Excluded Documents			
NWEA	Date of			
Doc #	Document	Description		
		EMail from Shelley Spalding, FWS, to Elizabeth Materna, FWS, Subject: Clarification on		
00	0/4/0000	our EPA meeting; 2 pgs		
62	2/4/2003	Reason Withheld: Deliberative  EMail from John Palmer, EPA, to Shelley Spalding, FWS, Subject: Temperature follow-up		
		issues; 3 pgs		
63	1/23/2003	Reason Withheld: Deliberative		
		EMail from Melanie Rowland, NOAA, to Jeff Lockwood, NOAA, Subject: No adverse effect		
		on improved water quality standards; 7 pgs		
64	1/9/2003	Reason Withheld: Deliberative/Attorney-client		
		EMail from Jeff Lockwood, NOAA, to Stephen Zylstra, FWS Subject: No adverse effect on		
65	12/27/2002	improved water quality standards; 4 pgs Reason Withheld: Deliberative		
- 00	12/21/2002			
		EMail from Stephen Zylstra, FWS, to John Palmer, EPA Subject: Help respond to comment: no adverse effect on improved water quality standards; 3 pgs		
66	12/26/2002	Reason Withheld: Deliberative		
- 00	12/20/2002	EMail from Stephen Zylstra, FWS, to John Palmer, EPA Subject: Form of Service's		
		Endorsement of Temperature Guidance; 3 pgs		
69	12/9/2002	Reason Withheld: Deliberative		
		EMail from Shelley Spalding, FWS, to Elizabeth Materna, FWS, Subject: FWS comments		
		on EPA guidance, attachment released; 1 pg		
70	11/18/2002	Reason Withheld: Deliberative		
		Draft letter from NMFS to John Iani, EPA regarding Comments on 10/10/2002 draft guidance; 10 pgs		
74	10/30/2002	Reason Withheld: Deliberative		
, ,	10/00/2002	Briefing Statement for the Regional Director regarding US EPA Regional Temperature		
		Criteria Guidance; 2 pgs		
76	9/27/2002	Reason Withheld: Deliberative		
		EMail from Stephen Zylstra, FWS, to Kemper McMaster, FWS, et al., Subject: Briefing		
	0/05/0000	regarding EPA's Regional Temperature Criteria Guidance, with 1 attachment; 1 pg		
77	9/25/2002	Reason Withheld: Deliberative		
		Attachment 1: Briefing Statement for the Regional Director regarding US EPA Regional		
78	9/25/2002	Temperature Criteria Guidance; 2 pgs Reason Withheld: Deliberative		
70	9/23/2002			
		EMail from Stephen Zylstra, FWS, to Kemper McMaster, FWS, et al., Subject: EPA's Regional Temperature Criteria Guidance, Attachment Released; 2 pgs		
79	9/11/2002	Reason Withheld: Deliberative		
	5. 1 <u>2002</u>	EMail from Shelley Spalding, FWS, to Stephen Zylstra, FWS et al., Subject: Revised		
		Temperature Guidance, Attachments Released; 2 pgs		
80	9/11/2002	Reason Withheld: Deliberative		
		EMail from Stephen Zylstra, FWS, to Dru Keenan, EPA, Subject: Endangered Species Act		
04	0/10/0000	(ESA) Assurances; 3 pgs Reason Withheld: Deliberative		
81	8/12/2002	EMail from Stephen Zylstra, FWS, to Kemper McMaster, FWS, et al., Subject: EPA's		
		Regional Temperature Criteria Guidance, Attachment Released; 1 pg		
82	8/5/2002	Reason Withheld: Deliberative		
		Briefing statement for FWS Regional Director prepared by Stephen Zylstra, FWS, Subject		
		EPA temperature guidance with handwritten notes by Stephen Zylstra FWS; 2 pgs		
00	2/40/2022	Reason Withheld: Deliberative		
83	3/18/2002			

Attachment 1. Log of Excluded Documents			
NWEA	Date of	Description	
Doc #	Document	Description  Briefing statement for FWS Regional Director prepared by Stephen Zylstra, FWS, Subject:	
		EPA temperature guidance; 2 pgs	
84	3/18/2002	Reason Withheld: Deliberative	
		Attachment 1: 01/09/2002 Briefing Statement for Assistant Regional Director regarding US	
		EPA Regional Temperature Criteria Guidance; 2 pgs	
87	12/27/2001	Reason Withheld: Deliberative	
00	44/7/0004	Handwritten notes by Elizabeth Materna, FWS; 1 pg	
89	11/7/2001	Reason Withheld: Deliberative Handwritten notes by Elizabeth Materna, FWS; 1 pg	
90	9/26/2001	Reason Withheld: Deliberative	
	0,20,200.	Handwritten notes of Stephen Zylstra FWS regarding internal agency discussion of	
		Regional Temperature Project; 2 pgs	
91	7/25/2000	Reason Withheld: Deliberative	
		Handwritten notes of Stephen Zylstra FWS Regional Temperature Criteria; 3 pgs	
92	6/27/2000	Reason Withheld: Deliberative	
		Handwritten notes of Stephen. Zylstra, FWS Temperature Criteria Meeting notes; 2 pgs	
93	3/30/2000	Reason Withheld: Deliberative	
		Handwritten notes by Stephen Zylstra, FWS Water Temperature Criteria Meeting; 3 pgs	
95	10/22/1999	Reason Withheld: Deliberative	
00	N. D.	Handwritten notes by Elizabeth Materna, FWS, Moderately Cold Water Guild; 1 pg	
96	No Date	Reason Withheld: Deliberative	
97	No Date	Handwritten notes by Elizabeth Materna, FWS, Technical team meeting; 2 pgs  Reason Withheld: Deliberative	
31	NO Date	Temperature as a factor in bull trout listing; 1 pg	
98	No Date	Reason Withheld: Deliberative	
		Notes for 3/18/2002 briefing with FWS Regional Director; 1 pg	
99	No Date	Reason Withheld: Deliberative	
		Notes for 3/18/2002 briefing with FWS Regional Director with handwritten notes by Stephen	
100	No Date	Zylstra, FWS; 1 pg  Reason Withheld: Deliberative	
102		n EPA Record with handwritten notes for authors understanding and clarification	
		Possible Changes to Temperature Guidance with Handwritten notes by Stephen Zylstra,	
		FWS; 7 pgs	
103	1/16/2003	Reason Withheld: Deliberative	
		Possible Changes to Temperature Guidance with Handwritten notes by Elizabeth Materna,	
		FWS; 6 pgs (document is dated 01/16/2002; we believe incorrect date)	
104	1/16/2003	Reason Withheld: Deliberative  Bull Trout Criteria for Juvenile Rearing with Handwritten notes by Elizabeth Materna, FWS;	
		1 pg	
105	5/2/2002	Reason Withheld: Deliberative	
		Species Life Stage Application Options Issues/Assumptions for All Options with	
		Handwritten notes by Elizabeth Materna, FWS; 4 pgs	
106	4/18/2002	Reason Withheld: Deliberative	
		Table 1. How Cold with Handwritten notes by Elizabeth Materna, FWS; 1 pg	
107	9/19/2001	Reason Withheld: Deliberative	
		Proposed Revision for Project Goal Statement and Technical Interpretation with	
400	7/00/0000	Handwritten notes by Elizabeth Materna, FWS; 1 pg	
108	7/28/2000	Reason Withheld: Deliberative	

		Attachment 1. Log of Excluded Documents
NWEA	Date of	
Doc#	Document	Description
		Cumulative Risk Initiative (NMFS) Figure IV-12 graph with Handwritten notes by Elizabeth
		Materna, FWS; 1 pg
109	3/29/2000	Reason Withheld: Deliberative
		Goal Statement, Dale McCullough, CRTFC. Handwritten notes by Elizabeth Materna,
		FWS; 4 pgs
110	1/20/2000	Reason Withheld: Deliberative
		Pacific Northwest Water Quality Temperature Criteria Guidance Workshop: Presentation on
		the Technical Workgroup Synthesis Paper, with handwritten notes by Elizabeth Materna,
		FWS; 18 pgs
111	No Date	Reason Withheld: Deliberative
		Table 3. Recommended criteria that apply to Summer Max Temperatures with Handwritten
440	Na Data	notes by Elizabeth Materna, FWS; 1 pg
112	No Date	Reason Withheld: Deliberative
		Policy Goal and Technical Goals with handwritten notes by Elizabeth Materna, FWS; 2 pgs
113	No Date	Reason Withheld: Deliberative
113	No Date	inceason withheld. Deliberative
		Population Level Characteristics with handwritten notes by Elizabeth Materna, FWS; 3 pgs
114	No Date	Reason Withheld: Deliberative
	24.0	Appendix B. Presentation with Handwritten notes by Elizabeth Materna, FWS; 6 pgs
115	No Date	Reason Withheld: Deliberative
113	NO Date	
140	NI- D-G	Recovery Target Issue with Handwritten notes by Stephen Zylstra, FWS; 1 pg
116	No Date	Reason Withheld: Deliberative
		Juvenile Rearing MDMT 12 °C (Max Daily Max Temp) with Handwritten notes by Elizabeth
117	No Doto	Materna, FWS; 4 pgs
117	No Date	Reason Withheld: Deliberative